### **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



- Shelling

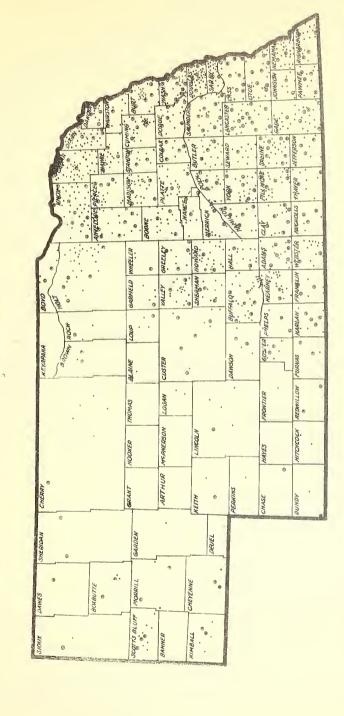
RECEIVED

\* MAY 11 1935 \*

U. S. Deparament of Appointment

# PROPERTIES HAVING BARBERRY BUSHES 1918-1932

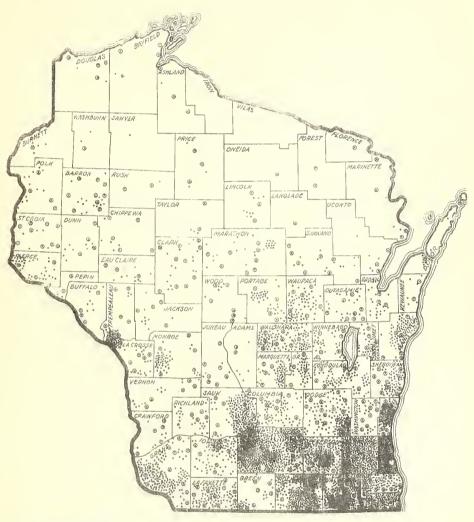
WEBRASMA



4,296 PROPERTIES 141,526 BUSHES FARMS HAVING BARBERRY BUSHES



WISCONSIN



1 1,402 PROPERTIES 5,186,629 BUSHES

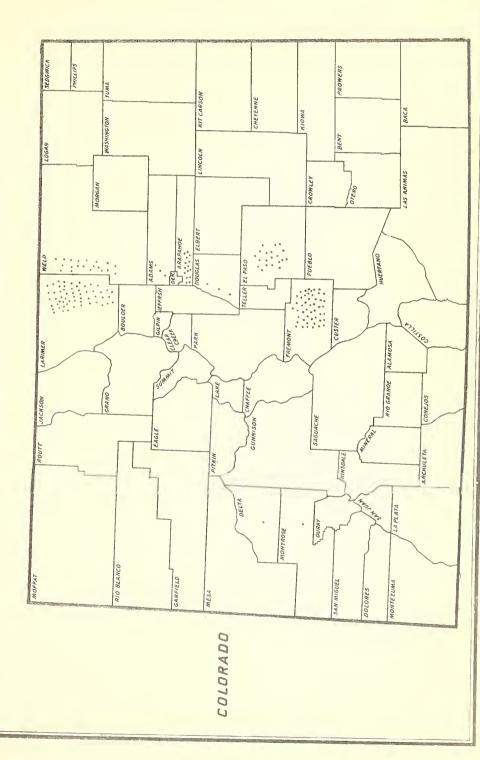


### 441 PROPERTIES 40,592 BUSHES PROPERTIES HAVING BARBERRY BUSHES 1918-1932 FARMS HAVING BARBERRY BUSHES TOWNS HAVING BARBERRY BUSHES MONTANA



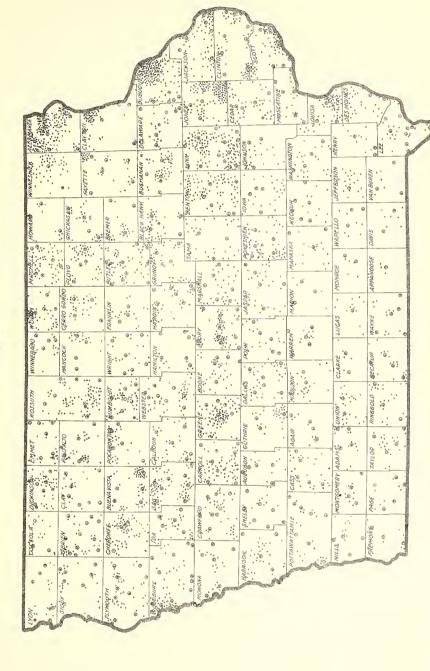
## RURAL PROPERTIES ON WHICH ESCAPED BARBERRY BUSHES WERE FOUND - ALL SURVEYS

BARBERRY ERADICATION 1918-1932





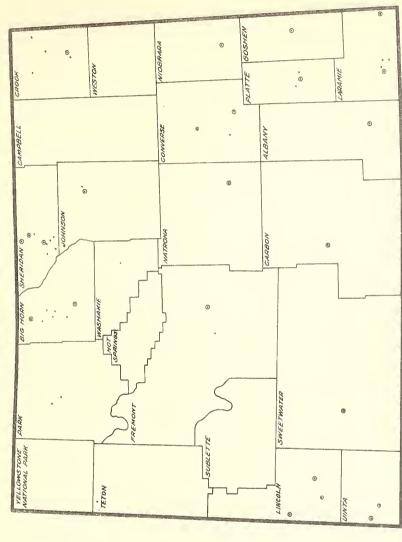
10WA



11,435 PROPERTIES 1,132,983 BUSHES

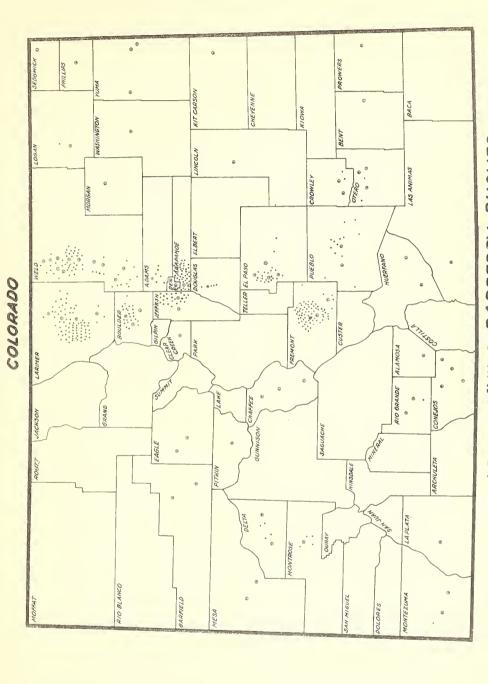






108 PROPERTIES 5,259 BUSHES

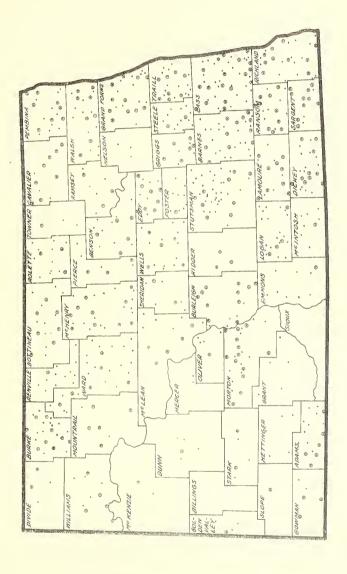




1,992 PROPERTIES 54,644 BUSHES



### NORTH DAKOTA





## RURAL PROPERTIES ON WHICH, AND CITIES IN WHICH BARBERRY BUSHES, SPROUTING BUSHES, OR SEEDLINGS WERE FOUND-ALL SURVEYS

### BARBERRY ERADICATION 1932





### PROPERTIES HAVING BARBERRY BUSHES 1918-1932 MINNESOTA KITTSON ROSEAU . ◎: LAKE OF THE WOODS MARSHALL HOOCHICHING ST. LOUIS PENNINGTON POLK . COOK LAKE RED LAKE BELTRAMI ITASCA 0. NORMAN MAHNO. HUBBARD CASS 0 CLAY BECKER .⊚.: AITKIN WADENA OTTERTAIL . CARLTON ø. . O PINE TODD! .0: MORRISON DOUGLAS . POPE 0 STEARNS 0 0 (a) CO CO BROWN ••° AGCIAN NOBLES O JACKSON MARTIN O FARMS HAVING BARBERRY BUSHES TOWNS HAVING BARBERRY BUSHES



### NUMBERS OF BARBERRY BUSHES AND SEEDLINGS DESTROYED, 1918-1932





ILLINOIS



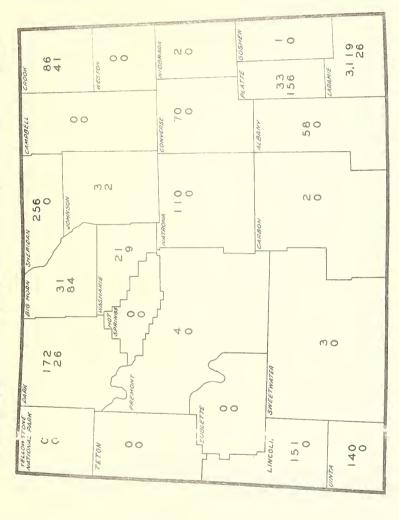
FARMS HAVING BARBERRY BUSHES



### NUMBERS OF BARBERRY BUSHES AND SEEDLINGS DESTROYED, 1918-1932 45 0 0 0 ALGER LUCE 2,388 10,867 78 SCHOOLCRT 31 67 427 88 Ö DICKINSON MACKINAC 142 229 196 0 6840 1135 418 10 1515 CHARLE OTSEGO 450 ANTRIM 80 139,172 123012 YRALKASKA CRAWF D 20 158,371 2,341,585 JULIAN ALCONA OSCODA GRO TRAV. 157 19.680 450 38 141 13,176 200 0 0 ### 45068 450 \*\*MANIS. WEXFORD MISSAUR. ### 98.046 7,594 30 113,36927,671 30 IOSCO MISSAUREE ROSCOM. 243 226 22 9 22.637 ŏ ~238,293 MICHIGAN OSCEOLA CLARE HASON LAKE 367 6 221 32 16 62 62 500 0 842 OCEANA NEWAYGO MECOSTA ISABELLA MIDLAND 15,990 1,253 1,832 878 44,009 50 153 4,895 TUSCOLA SANILAC 84,938 2,136 81,463 85,607 68251 MONTCALM GRATIOT SAGINAN NUSKE. 763 1,757 19,609 9 2,903 167,47 ENESEE 90 RENT 91 2,903 167,476 ENESEE LAPEER STCLAR 11,166 IONIA CLIMTON SHIAIMA 933 5,793 2018 11,076 20,543 2,191 1,267 203 3332412810 1,545 3,626 4,308 10,410 576 ALLEGAN BARRY EATON INGMAM LIVINGSTN 61,842 2455 3013 4.762 2.040 184,210 75,019 5,995 0 75 101,563 WASHTENAW WAYNE YAH BUREN KALAMA. CALHOUN JACKSON 7,907 8,998 2,649 10,991 34,376 12,70 2,298 10,337 317 2,625 15,065 C CASS ST. JOSEPH BRANCH 302 1,739 5,785 1,155 ,710 155 1.823 40 HILLSDALE LEMAWEE 4,960 12,515 UPPER FIGURE = BUSHES DESTROYED ..... 807,664 LOWER FIGURE = SEEDLINGS DESTROYED ...... 4,969,650 SPROUTING BUSHES (NOT SHOWN) ...... 6,224 GRAND TOTAL 5,783,538



### NUMBERS OF BARBERRY BUSHES AND SEEDLINGS DESTROYED, 1918-1932



WYOMING

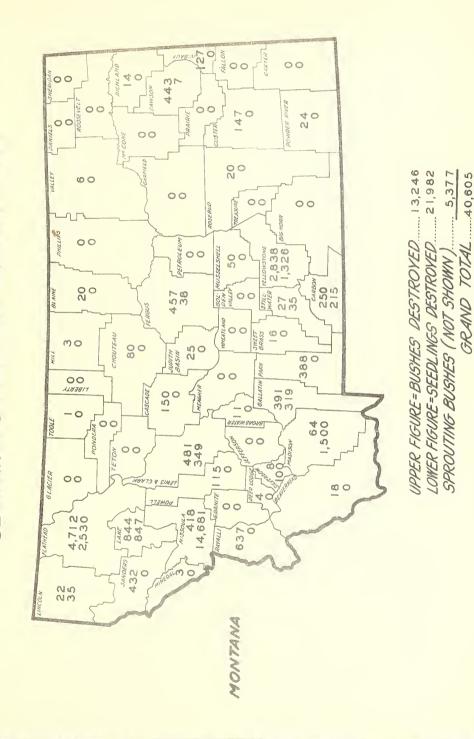
UPPER FIGURE = BUSHES DESTROYED......4,262
LOWER FIGURE = SEEDLINGS DESTROYED.....344
SPROUTING BUSHES (NOT SHOWN)......514
GRAND TOTAL.....5,180



### PROPERTIES HAVING BARBERRY BUSHES 1918-1932 MICHIGAN MACKINAC DELTA CRAWF'D OSCODA 11,996 PROPERTIES 5,783,538 BUSHES FARMS HAVING BARBERRY BUSHES TOWNS HAVING BARBERRY BUSHES



## NUMBERS OF BARBERRY BUSHES AND SEEDLINGS DESTROYED, 1918-1932





### SOUTH DANOTA



1,371 PROPERTIES 134,389 BUSHES



### WISCONSIN

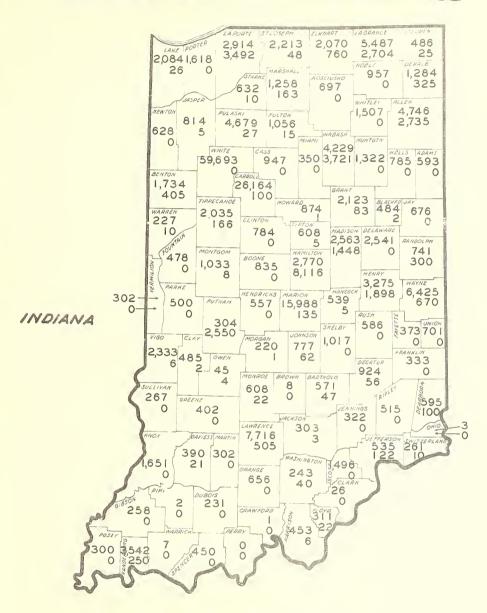


UPPER FIGURE = BUSHES DESTROYED......3,596,437
LOWER FIGURE = SEEDLINGS DESTROYED.......1,497,320
SPROUTING BUSHES (NOT SHOWN).......92,872
GRAND TOTAL.....5,186,629









UPPER FIGURE = BUSHES DESTROYED...... 207,828

LOWER FIGURE = SEEDLINGS DESTROYED....... 31,237

SPROUTING BUSHES (NOT SHOWN)....... 20,036

GRAND TOTAL...... 259,101

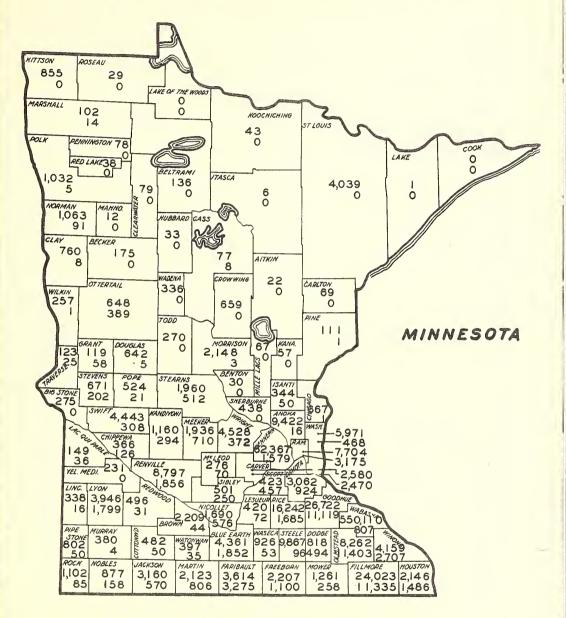


		nonand	59,9 18,5	7,264 2,327 5,101 927 cenn 32,759		10,793 279 401	04 be worked 6,455		
19,993	6,982	8,025 9,617	3,0	35,946 5,1 6,847	24	, w,	328 DES. 0 6,4	5,873	_
17,620 19,993	6,615	23,239 15,925	8,823	28	99	8 11,048	7,923	170 170 0	
11,378	7,39	5,696 1,503 1203	41,446	44-	13,248 1,1	45 2,918 75 118	6,036 0	156	
7,849	3 = -	8,808 50	6,145 6,145 440	10,993 3,1073	36	12 10,945 0 275	392 14	7,787	1,
6,051 642	8,465 4,171	15,532 0	5   16,769   4,085   6	32	3	5,742 0 5,742 0 0	3,580	,219 0	
3,693 402	₹ .D. c.	1,156   150	16,769	2693 2,093	22 38,447 40 16,249	1,582 510 79 50	31 31 84	2,805	0
13,874	912	7,193 855	1,06	96	3 12,822		4 89 6 06	644 106	3
4,442 nd	8,213 478	7,862 150	1,276	2,167 2,3	9 3,933 5 1,650	1,321 948 1,769 0	3,885	1 380 m	0,77
5,206 6,377	1,030 0,030	2,444	122	ო –	3,005 459 5 15	2 —	365 0	20,181 0	
1,007	5,461 100,100	1,799 575	2,17	7,903 401	60	21,290 21,290 693	183	2,566 2	,,,
2,623	3,005	9,647 24	8,812 8,812	1,549 993	2,019 2,019 203	POO.	***		

IOWA

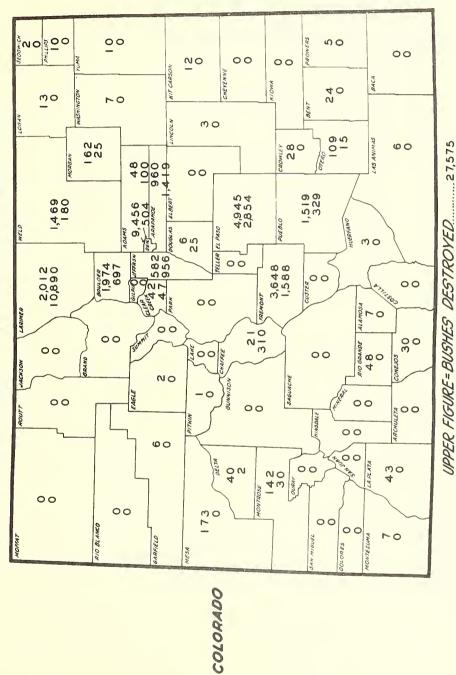
32,858 1,132,977





UPPER FIGURE = BUSHES DESTROYED........806,051 LOWER FIGURE = SEEDLINGS DESTROYED........66,471 SPROUTING BUSHES (NOT SHOWN)........53,425 GRAND TOTAL......925,947





SPROUTING BUSHES (NOT SHOWN)

7,097

126'61 ...

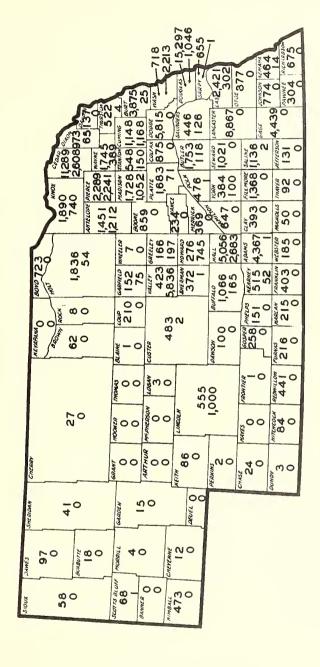
LOWER FIGURE = SFEDLINGS DESTROYED.

.54,643

GRAND TOTAL



### NEBRASKA



UPPER FIGURE = BUSHES DESTROYED....... 100,081
LOWER FIGURE = SEEDLINGS DESTROYED...... 24,460
SPROUTING BUSHES (NOT SHOWN)....... 16,985
GRAND TOTAL.....141,526





### PROPERTIES HAVING BARBERRY BUSHES 1918-1932

OHIO



FARMS HAVING BARBERRY BUSHES
TOWNS HAVING BARBERRY BUSHES

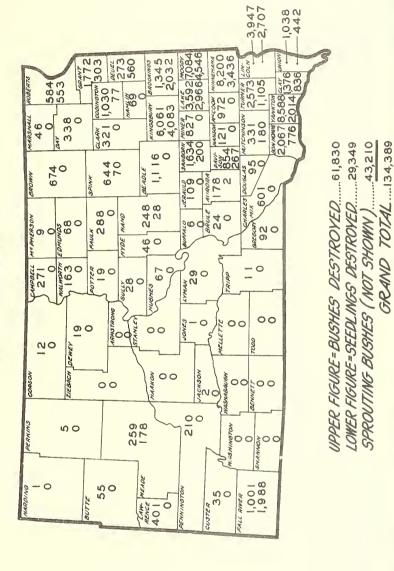




UPPER FIGURE = BUSHES DESTROYED	424,513
LOWER FIGURE = SEEDLINGS DESTROYED	
SPROUTING BUSHES (NOT SHOWN)	20,8 1 8
GRAND TOTAL	2,334,355

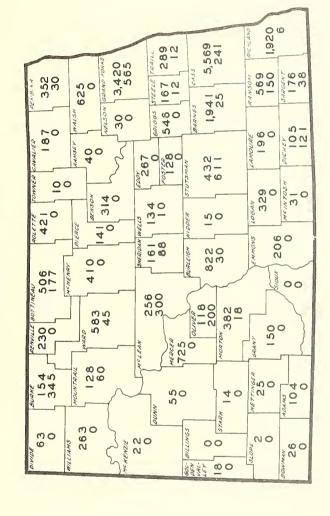


### SOUTH DANOTA





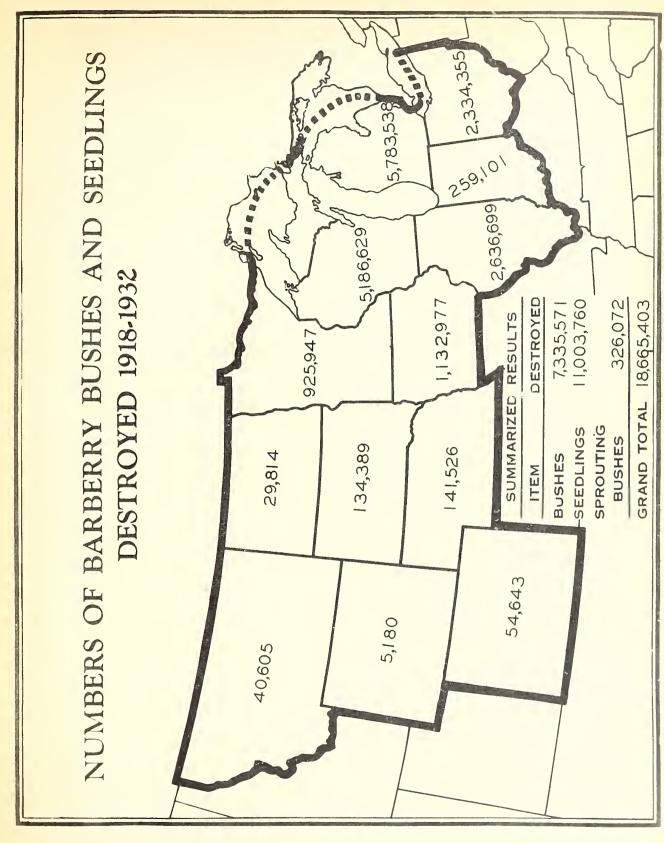
### NORTH DAKOTA





## RURAL PROPERTIES ON WHICH BARBERRY BUSHES WERE FOUND—ALL SURVEYS BARBERRY ERADICATION, 1918-1932 • = I PROPERTY







in Bpb

PROPERTIES HAVING BARBERRY BUSHES 1918-1929 MICHIGAN SCHOOLCR' DICKINSON DELTA 11,442 PROPERTIES 5,640,517 BUSHES

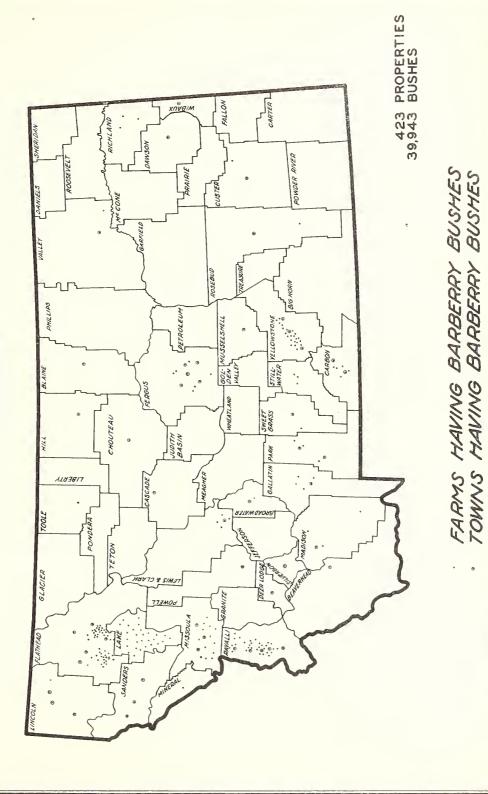
FARMS HAVING
BARBERRY BUSHES
TOWNS HAVING
BARBERRY BUSHES

### PROPERTIES HAVING BARBERRY BUSHES 1918-1929 MINNESOTA KITTSON ROSEAU LAKE OF THE WOODS MARSHALL KOOCHICHING . O. ST. LOUIS PENNINGTON POLK . LAKE RED LAKE BELTRAMI ITASCA NORMAN MAHNO HUBBARD GASS 0 BECKER ٠٥٠: AITKIN WADENA CROWWING CARLTON OTTERTAIL WILKIN •©. ۰ 0 TODD! . . MORRISON KANA. DOUGLAS . POPE STEARNS 5,596 PROPERTIES 913,211 BUSHES YEL MEDI. WASECA STELLE DORGE HOLIN NOBLES O LACKSON MSON MARTIN MARTIN® FARIBARIT FARMS HAVING BARBERRY BUSHES

TOWNS HAVING BARBERRY BUSHES

# PROPERTIES HAVING BARBERRY BUSHES 1918-1929

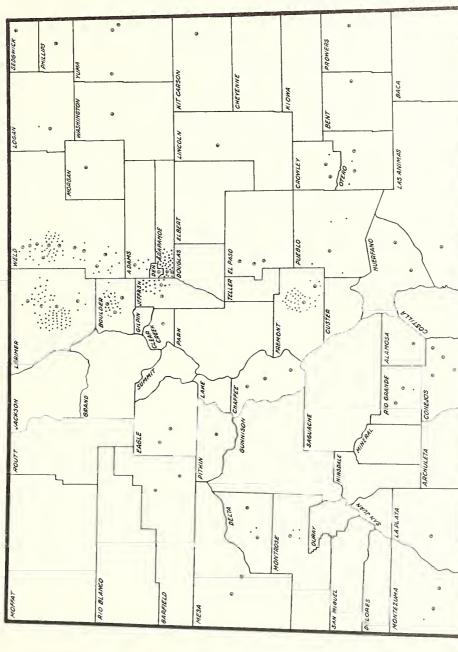






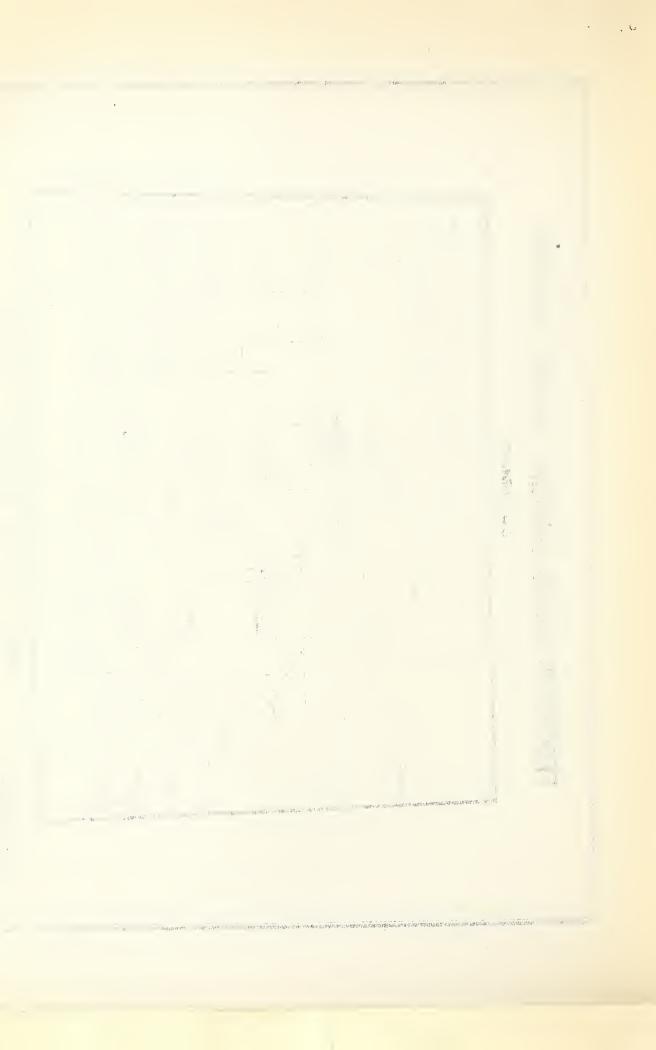
# PROPERTIES HAVING BARBERRY BUSHES 1918-1929

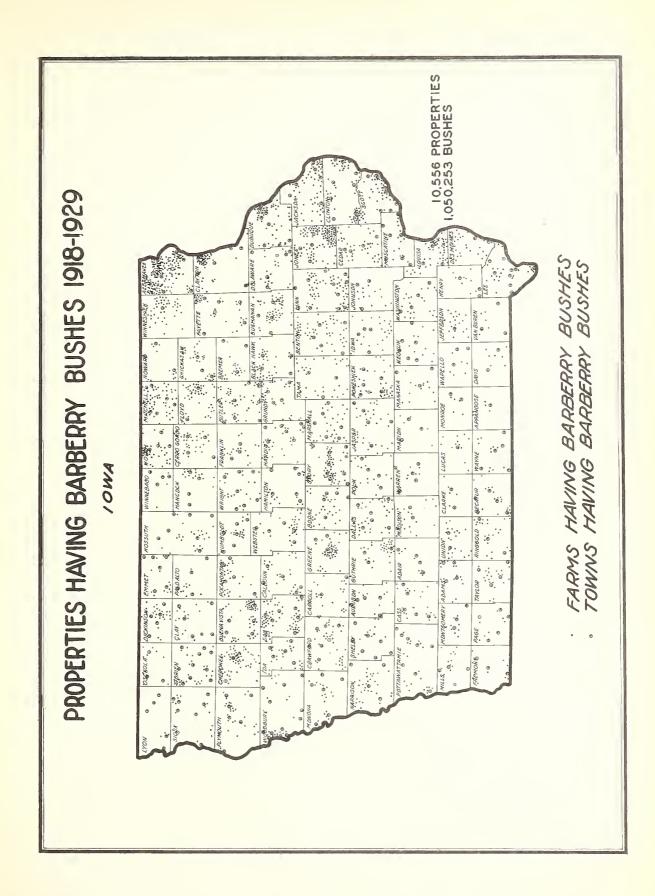




I, 875 PROPERTIES 49, 672 BUSHES

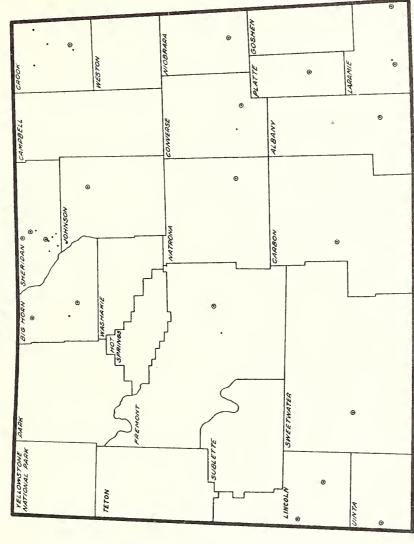
FARMS HAVING BARBERRY BUSHES TOWNS HAVING BARBERRY BUSHES



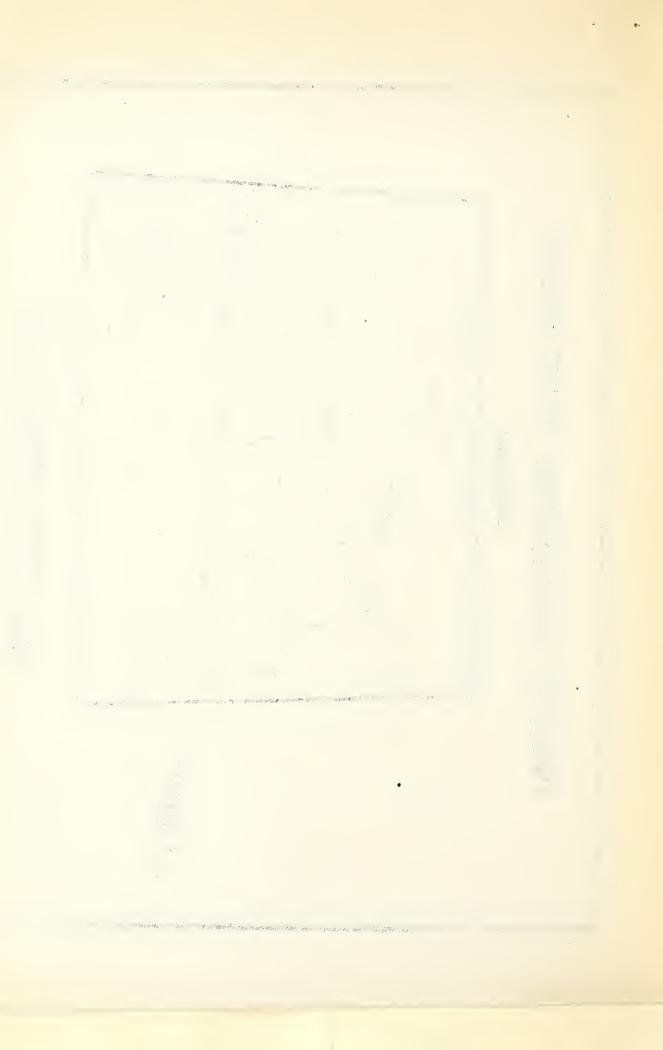




## WYOMING



96 PROPERTIES 4,816 BUSHES FARMS HAVING BARBERRY BUSHES TOWNS HAVING BARBERRY BUSHES

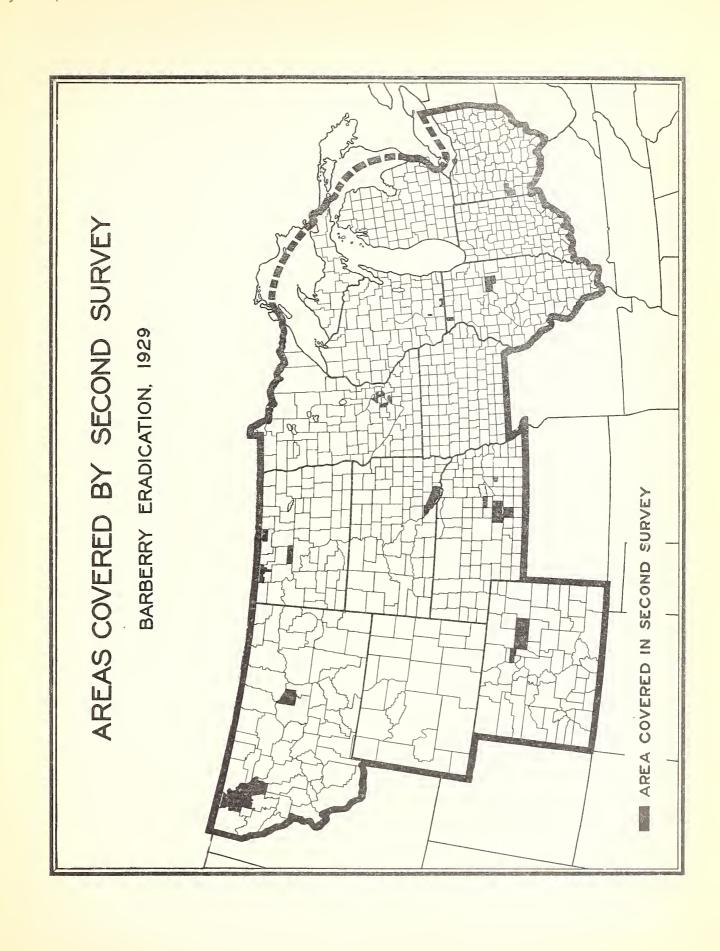


WISCONSIN

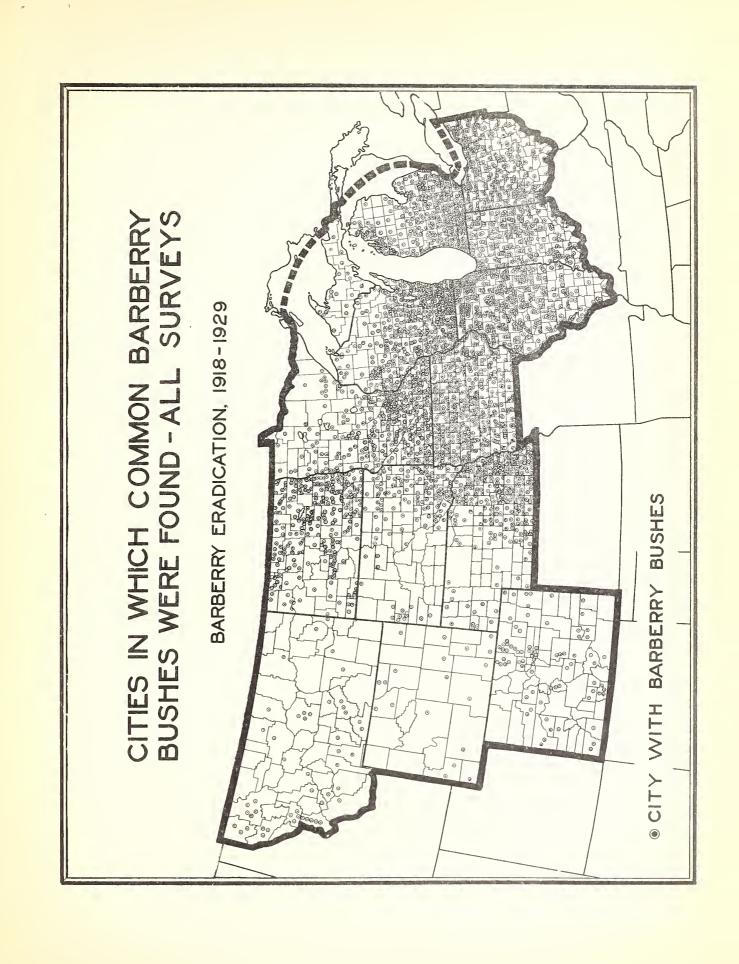


FARMS HAVING BARBERRY BUSHES
TOWNS HAVING BARBERRY BUSHES



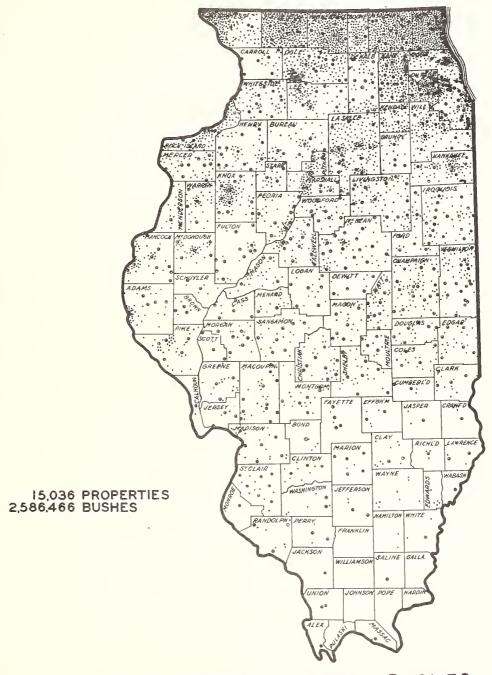








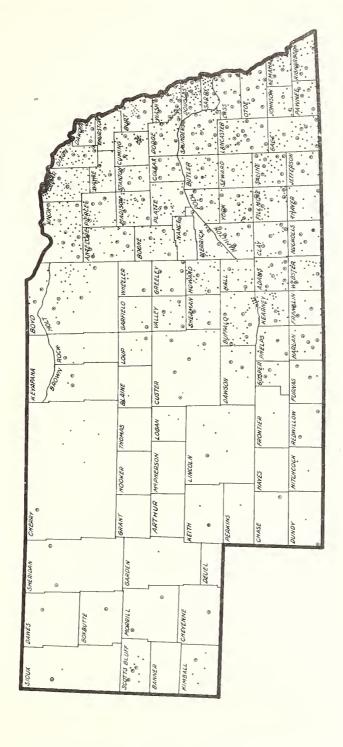
ILLINOIS



FARMS HAVING BARBERRY BUSHES
TOWNS HAVING BARBERRY BUSHES



## NEBRASKA



4,211 PROPERTIES

FARMS HAVING BARBERRY BUSHES TOWNS HAVING BARBERRY BUSHES



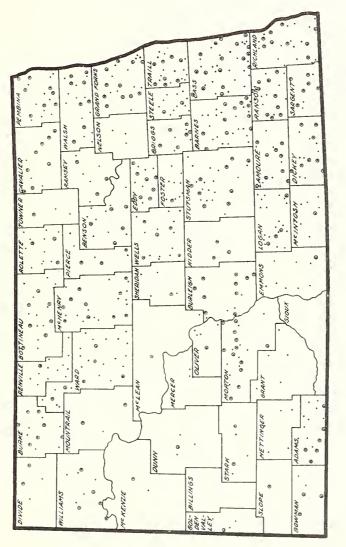
OHIO



FARMS HAVING BARBERRY BUSHES



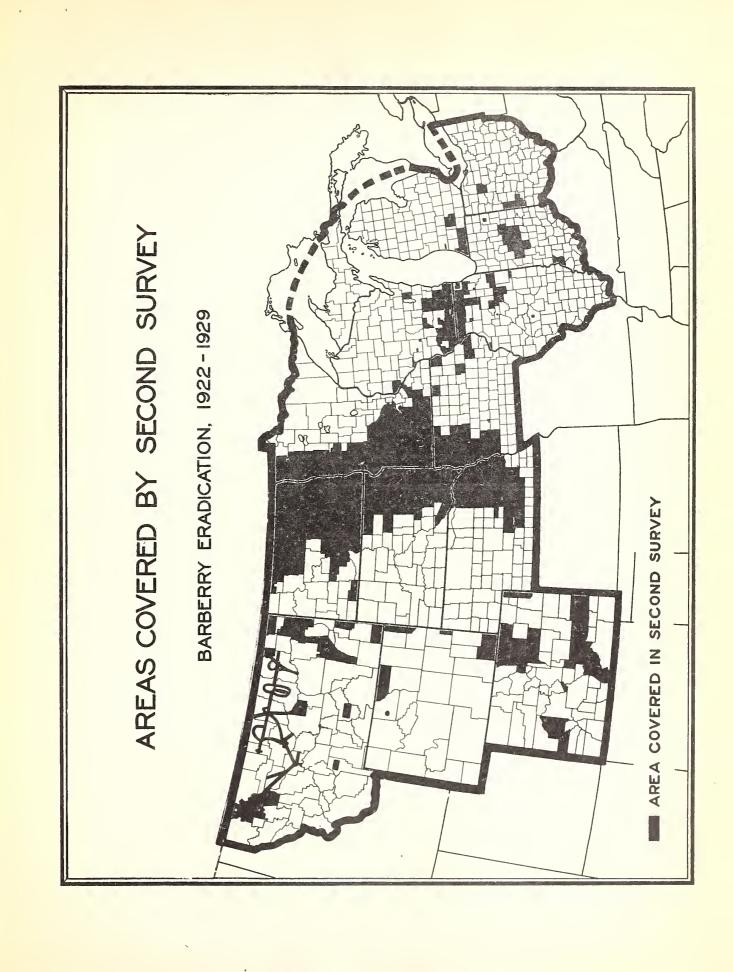
## NORTH DAKOTA

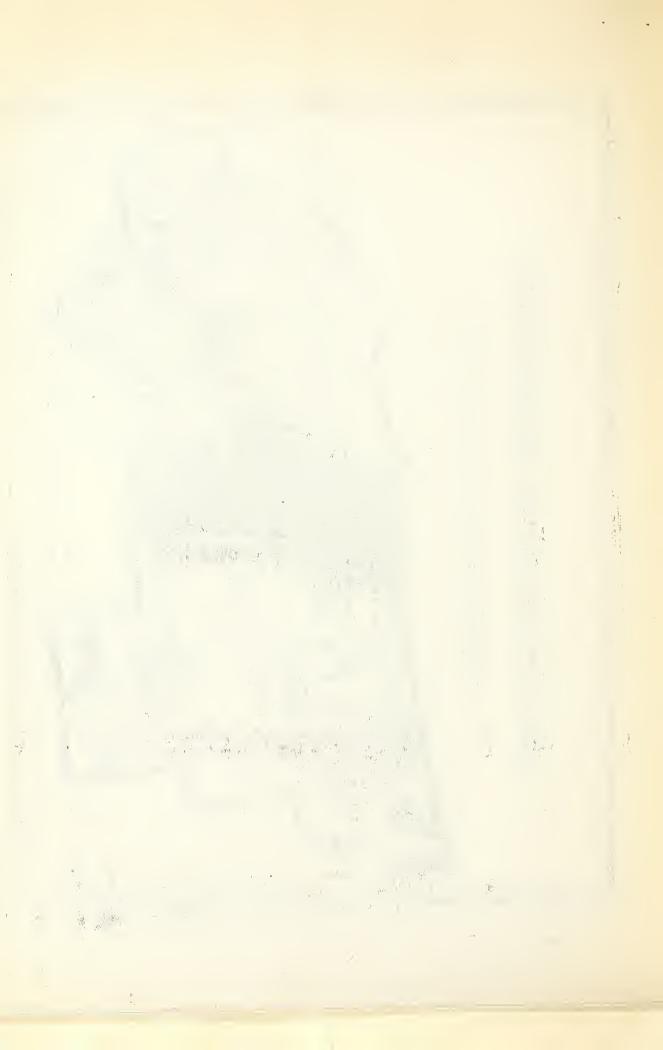


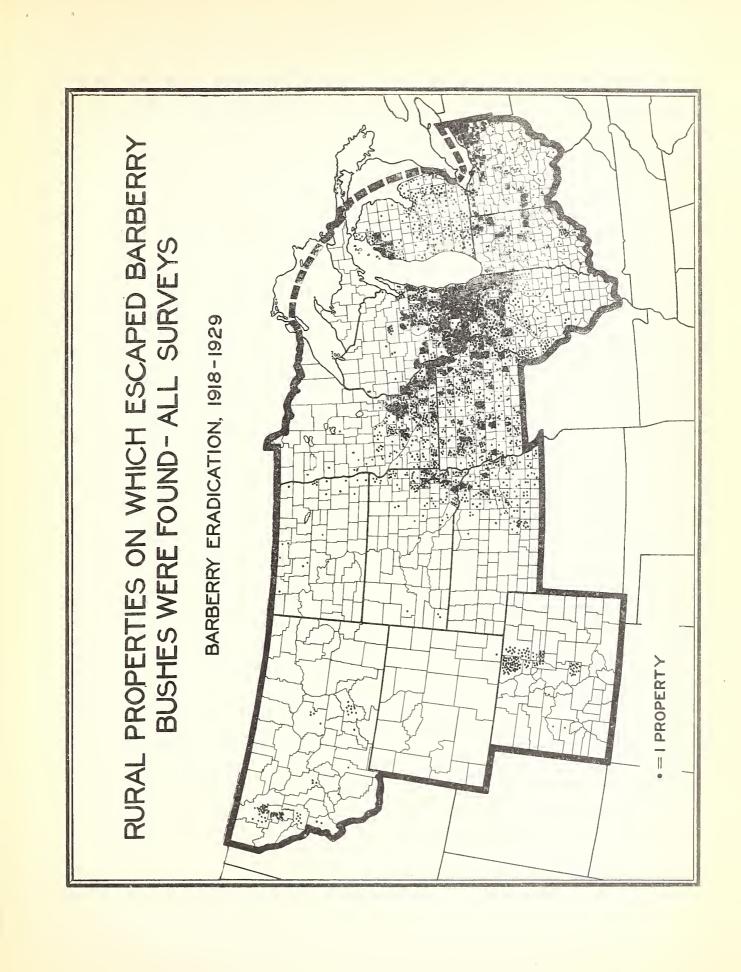
951 PROPERTIES 27,415 BUSHES

FARMS HAVING BARBERRY BUSHES TOWNS HAVING BARBERRY BUSHES

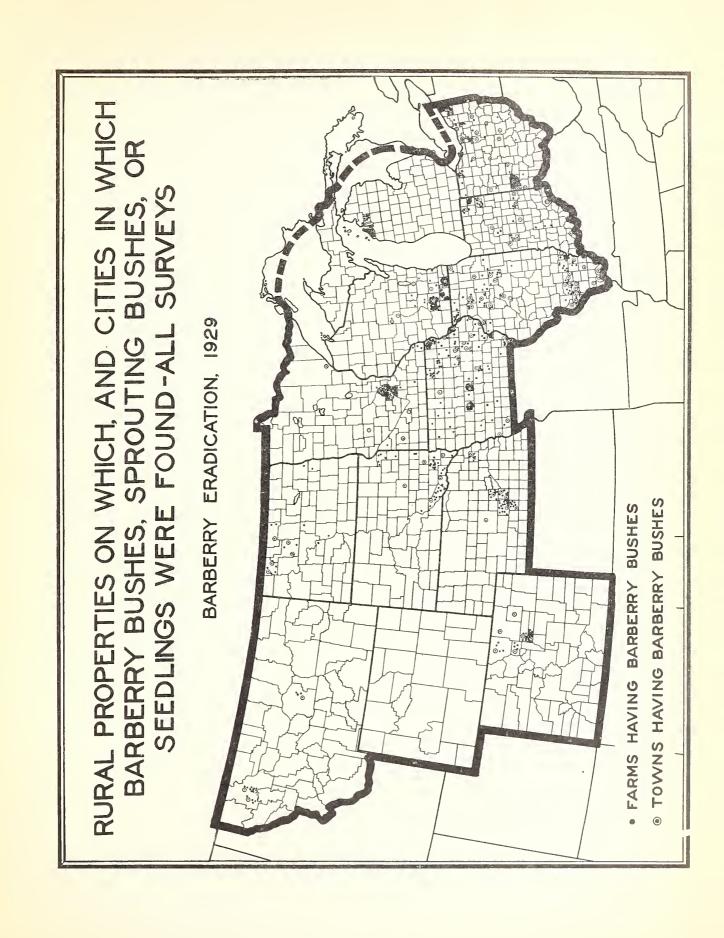




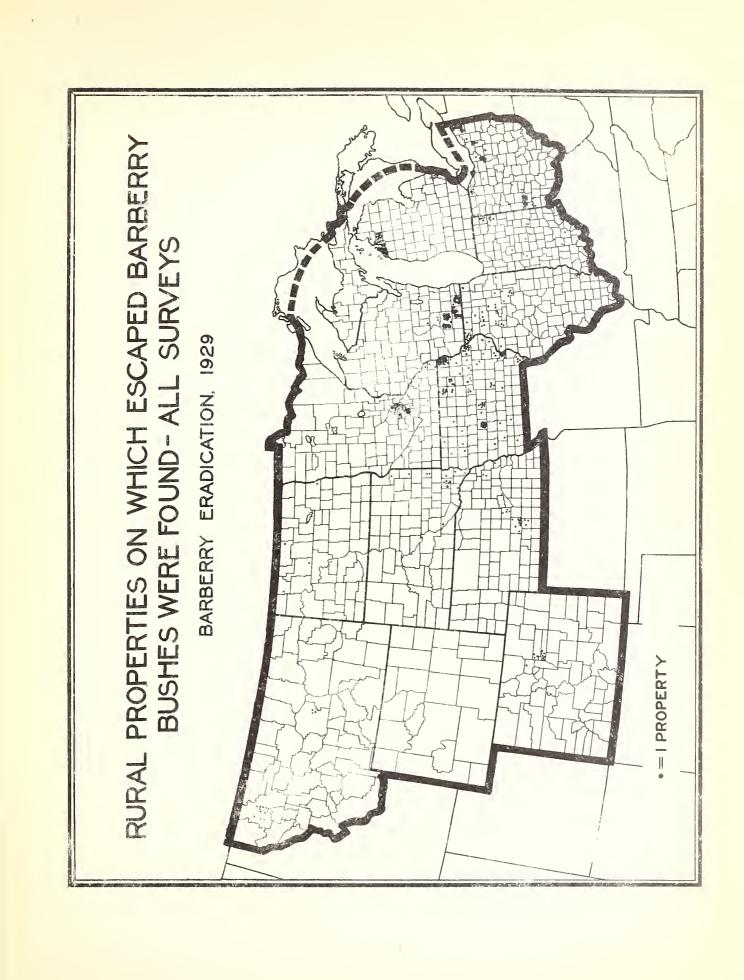




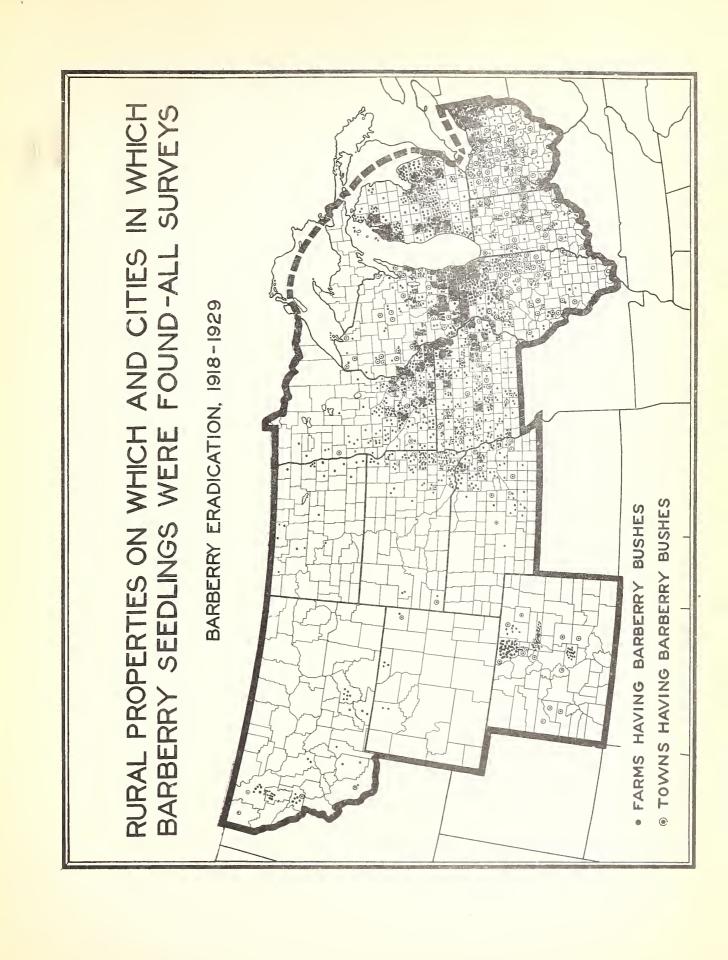




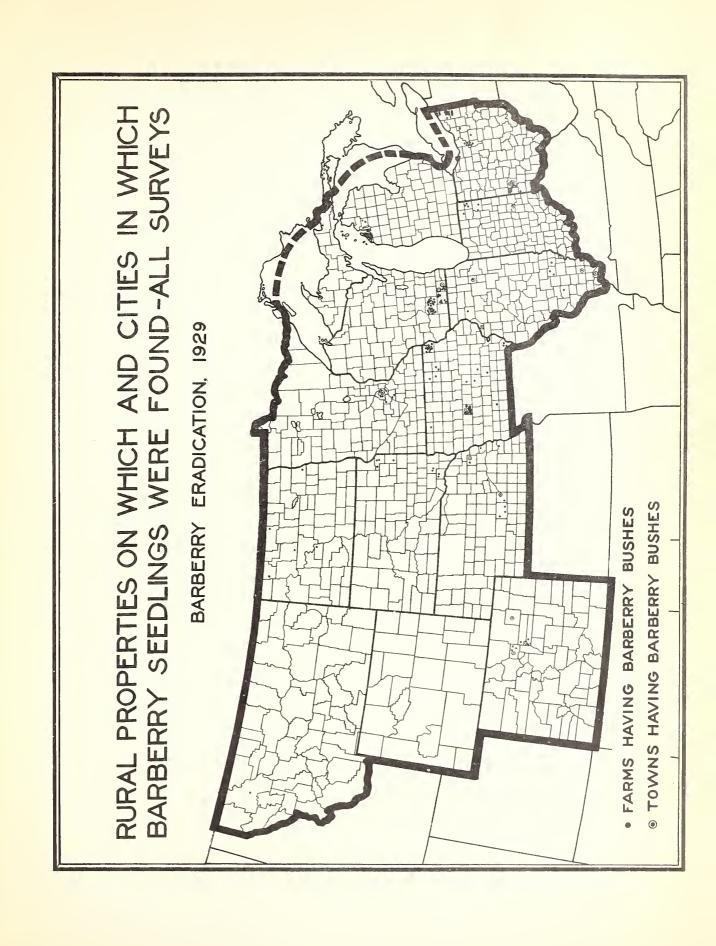




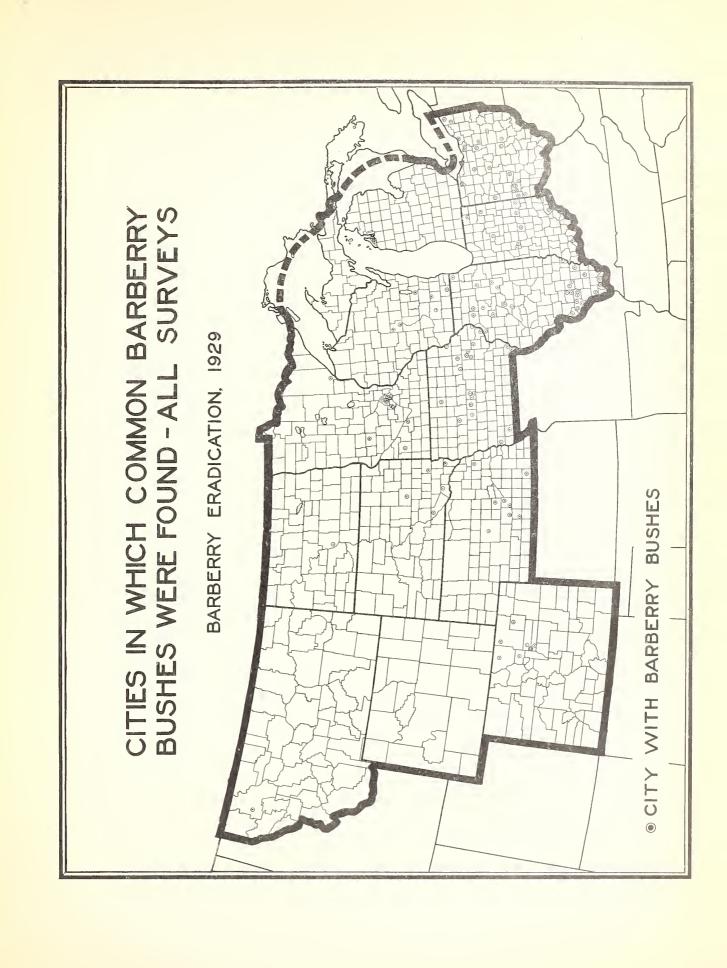




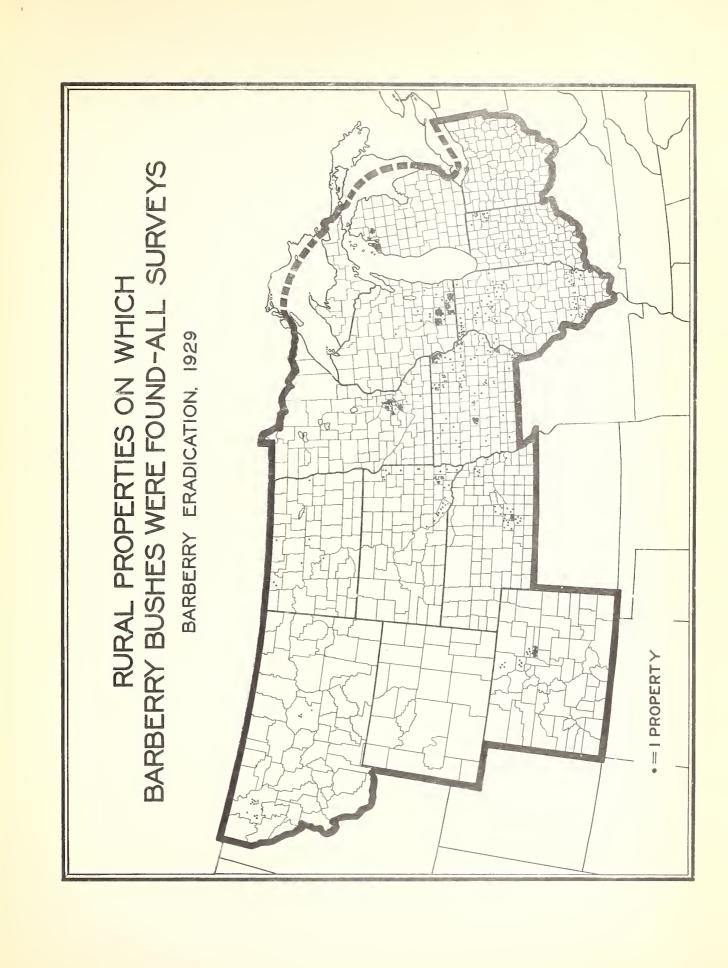




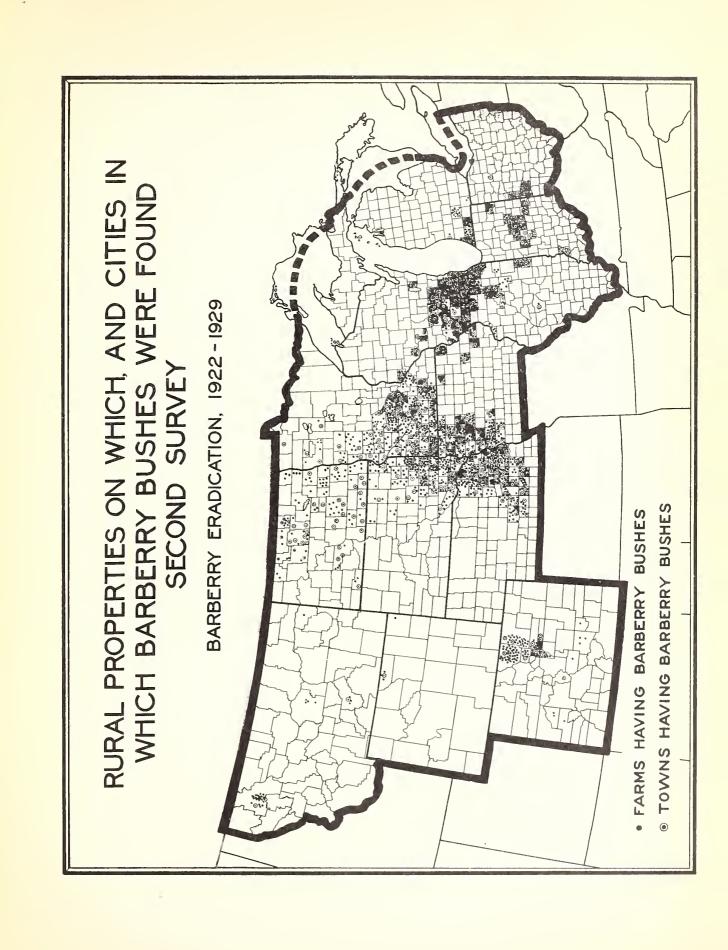




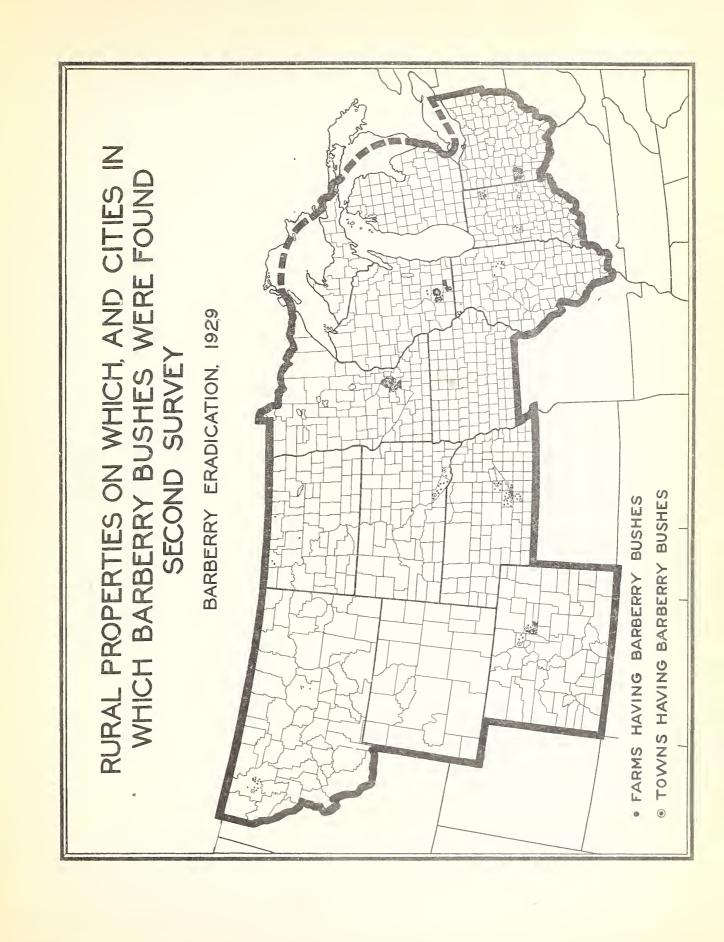


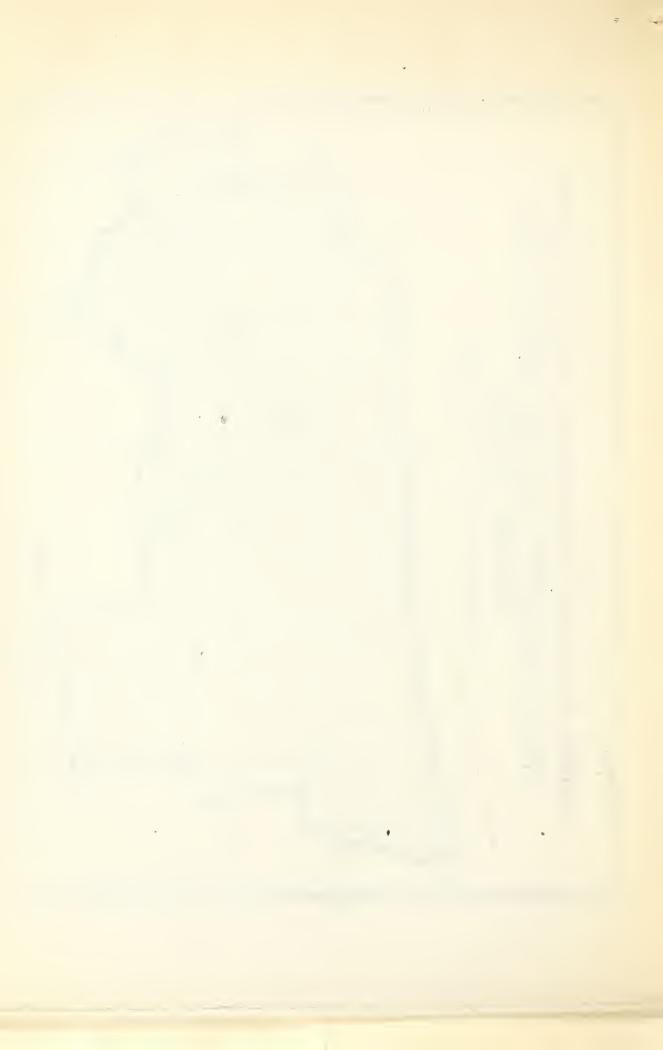












P69Bpb

# PROPERTIES HAVING BARBERRY BUSHES 1918-1928

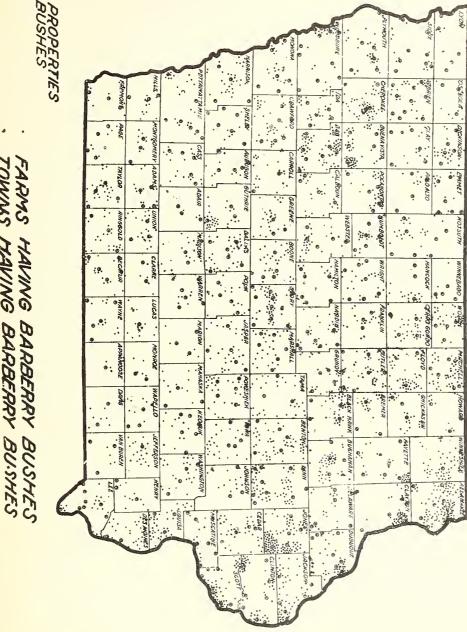
SOUTH DANOTA



1,280 PROPERTIES
132,974 BUSHES
FARMS



10WA





### PROPERTIES HAVING BARBERRY BUSHES 1918-1928 MINNESOTA KITTSON ROSEAU MARSHALL HOOCHICHING PENNINGTON LAKE TASCA NORMAN MAHNO. HUBBARD CASS BECKER ... AITKIN WADENA CROWWING CARLTON . 0 OTTERTAIL 0. WILKIN • 0 MORRISON KANA. 5,488 PROPERTIES 909,936 BUSHES FARMS HAVING BARBERRY BUSHES TOWNS HAVING BARBERRY BUSHES

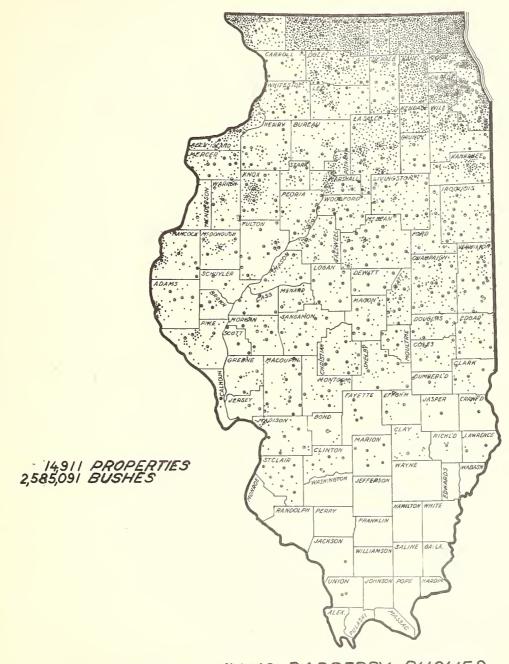


OH10

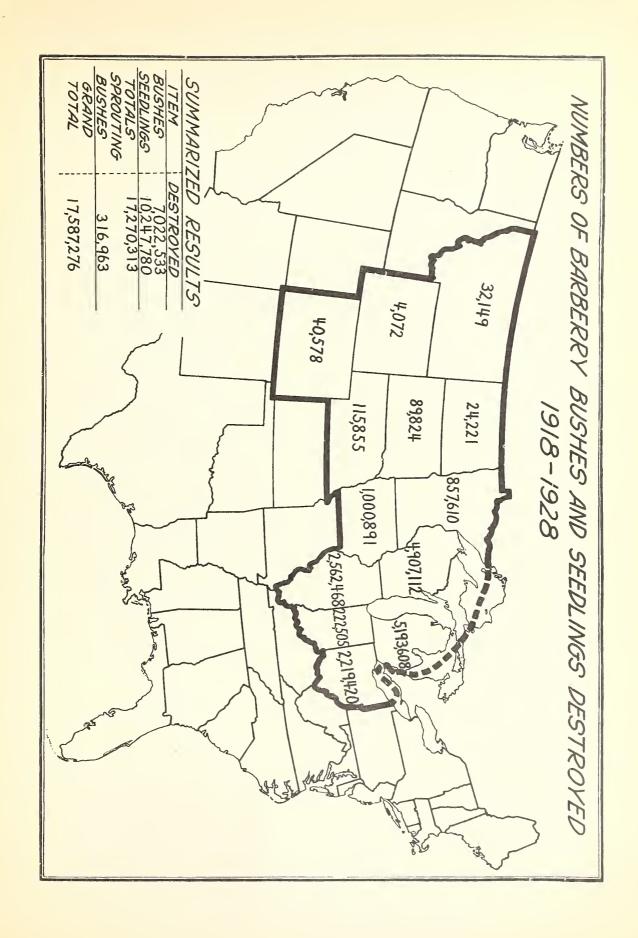




ILLINOIS









### NUMBERS OF BARBERRY BUSHES AND SEEDLINGS DESTROYED, 1918-1928





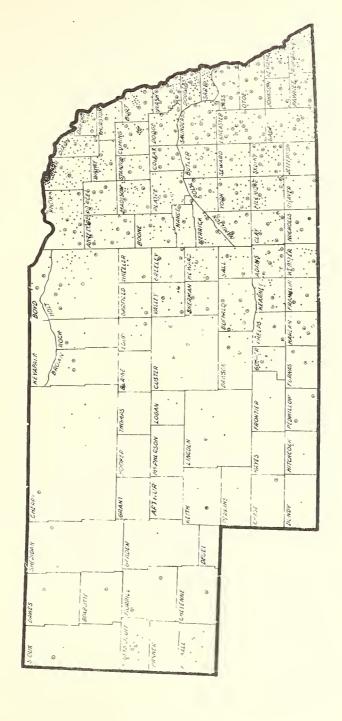
UPPER FIGURE=BUSHES' DESTROYED........710.111
LOWER FIGURE=SEEDLINGS DESTROYED......4,483,497
SPROUTING BUSHES (NOT SHOWN)......3,862
GRAND TOTAL......5,197,470



# PROPERTIES HAVING BARBERRY BUSHES 1918-1928 MICHIGAN IRON DICKINSON DELTA CRAWF'D OSCODA ALCONA PROPERTIES BUSHES 11,370 5,197,470 MECOSTA ISABELLA MIDLANO FARMS HAVING BARBERRY BUSHES TOWNS HAVING BARBERRY BUSHES



# NEBRASKA



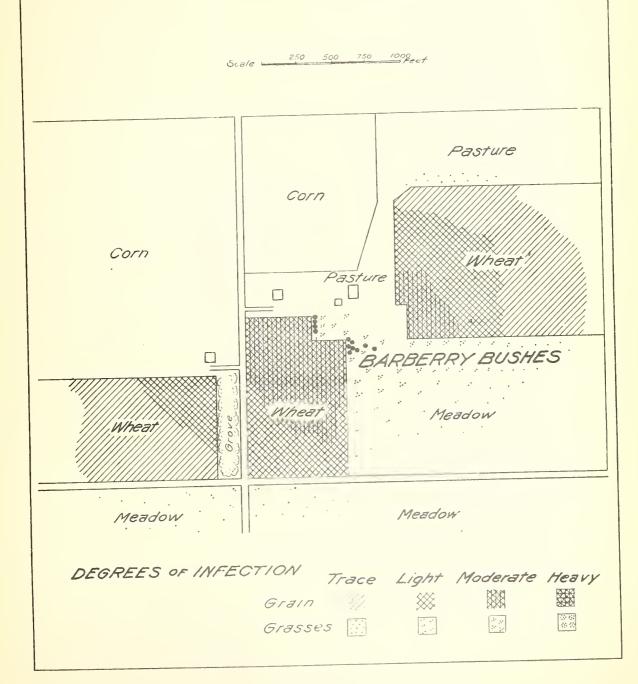
4,158 PROPERTIES

FARMS HAVING BARBERRY BUSHES TOWNS HAVING BARBERRY BUSHES



# STEM RUST SPREADS FROM COMMON BARBERRY TO GRAINS AND GRASSES

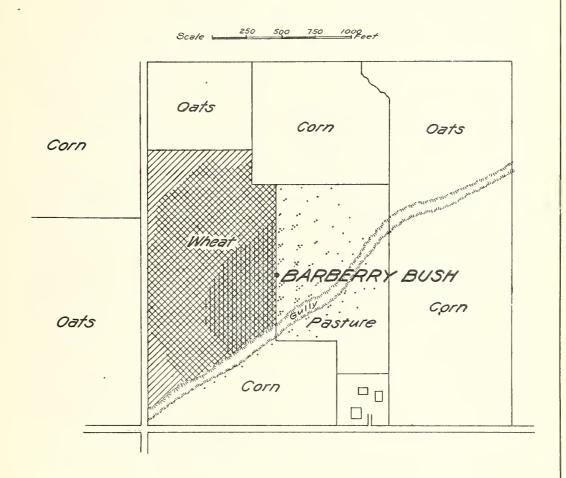
MERRICK COUNTY, NEBRASKA JUNE 25, 1928





## STEM RUST SPREADS FROM COMMON BARBERRY TO GRAINS AND GRASSES

JOHNSON COUNTY, NEBRASKA JUNE 20, 1928



DEGREES OF INFECTION

Trace Light Moderate Heavy

Grain

1//,

\*\*\*

N ...

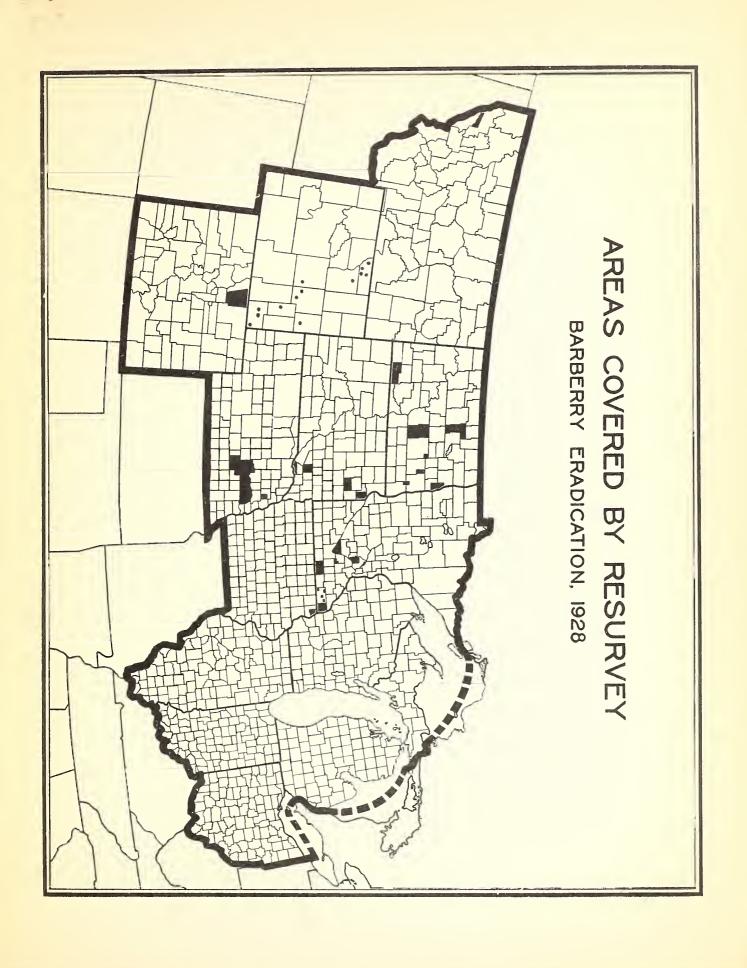
が 会会

Grasses :::





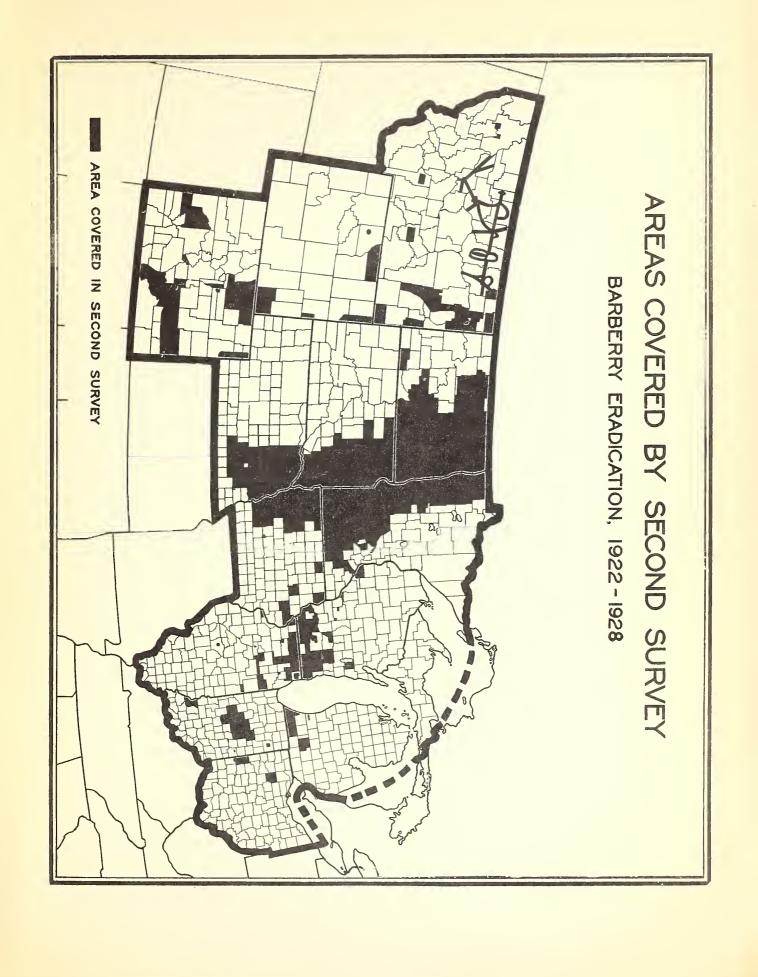




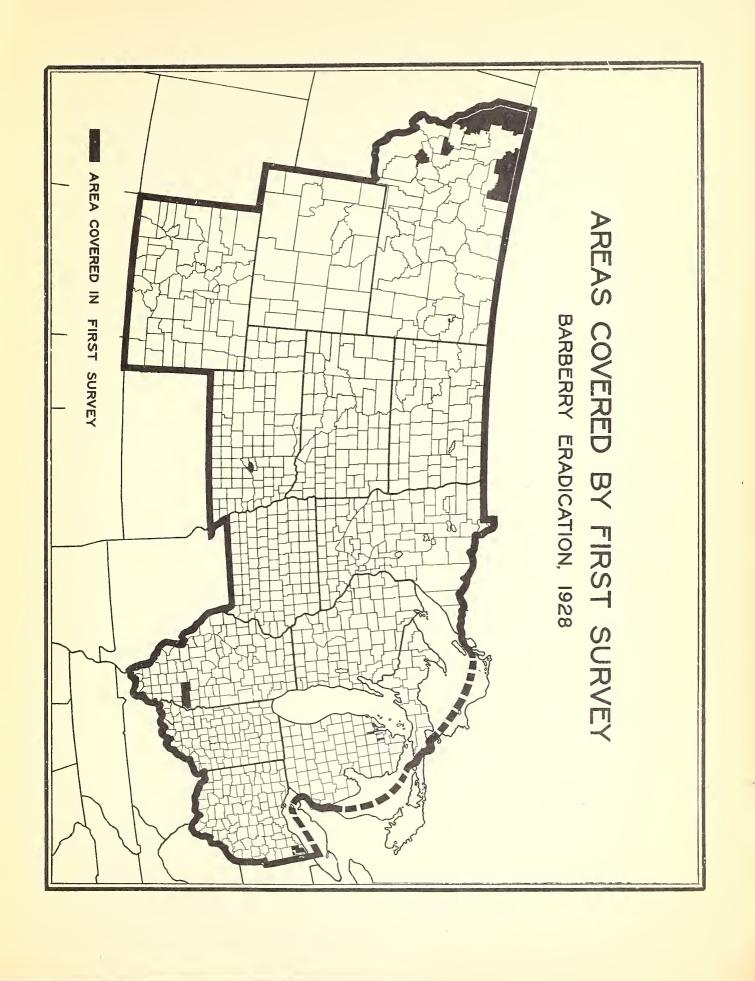




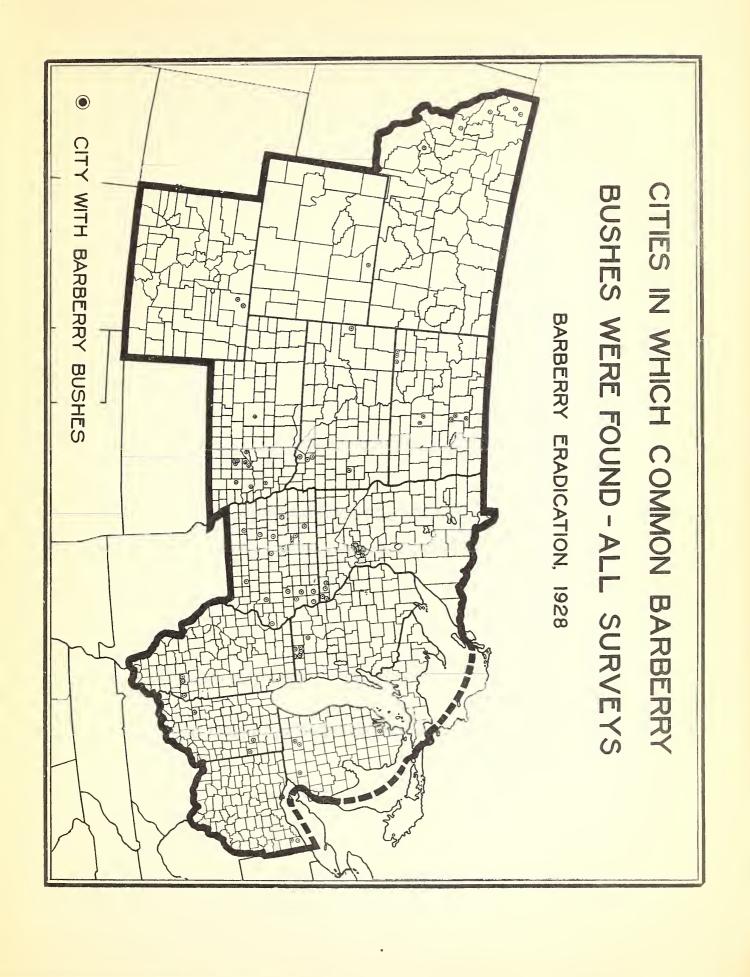




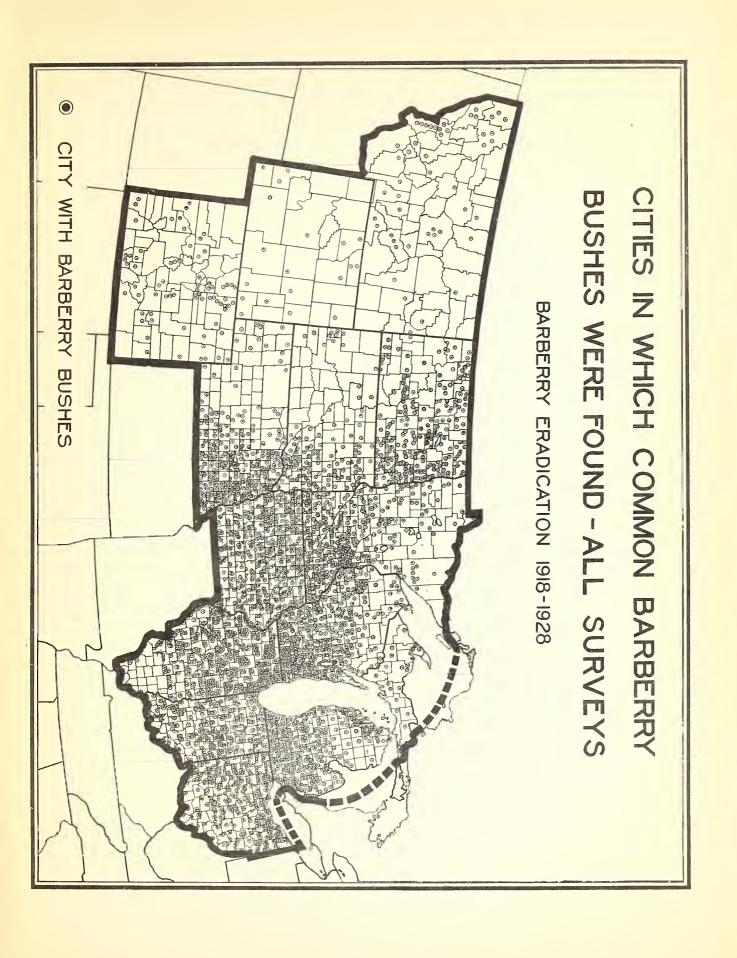




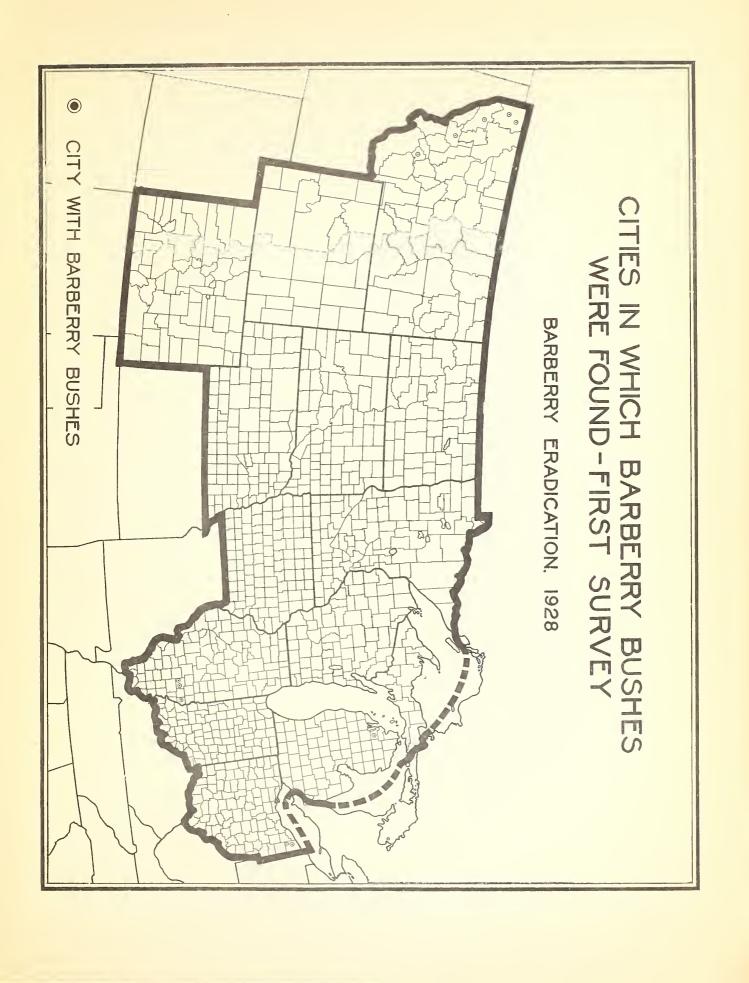




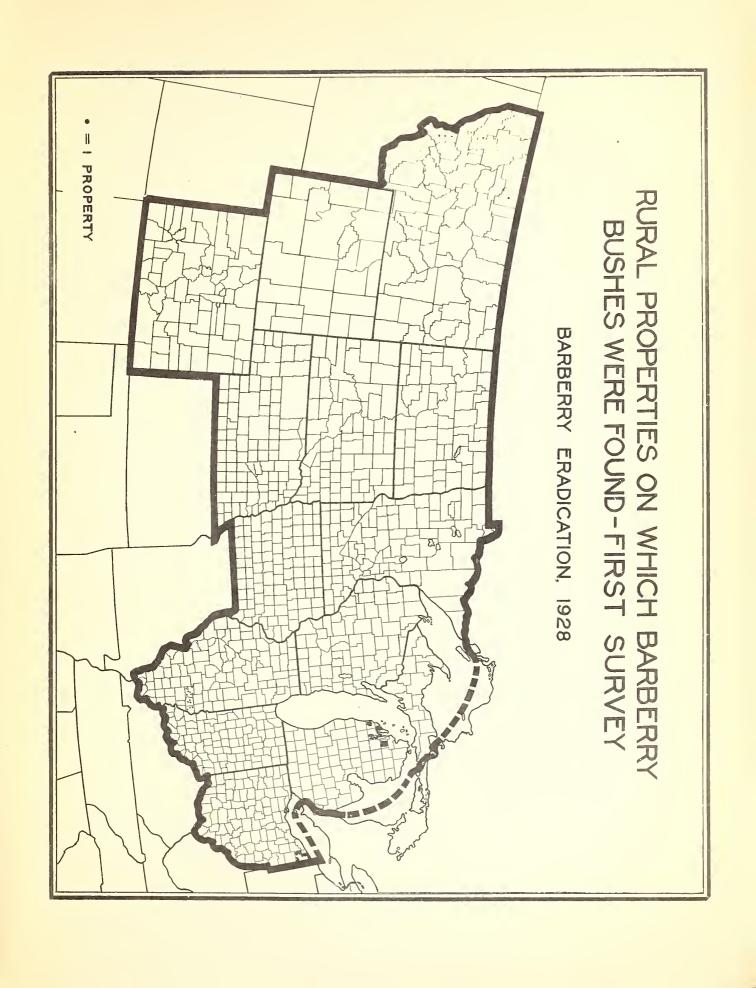




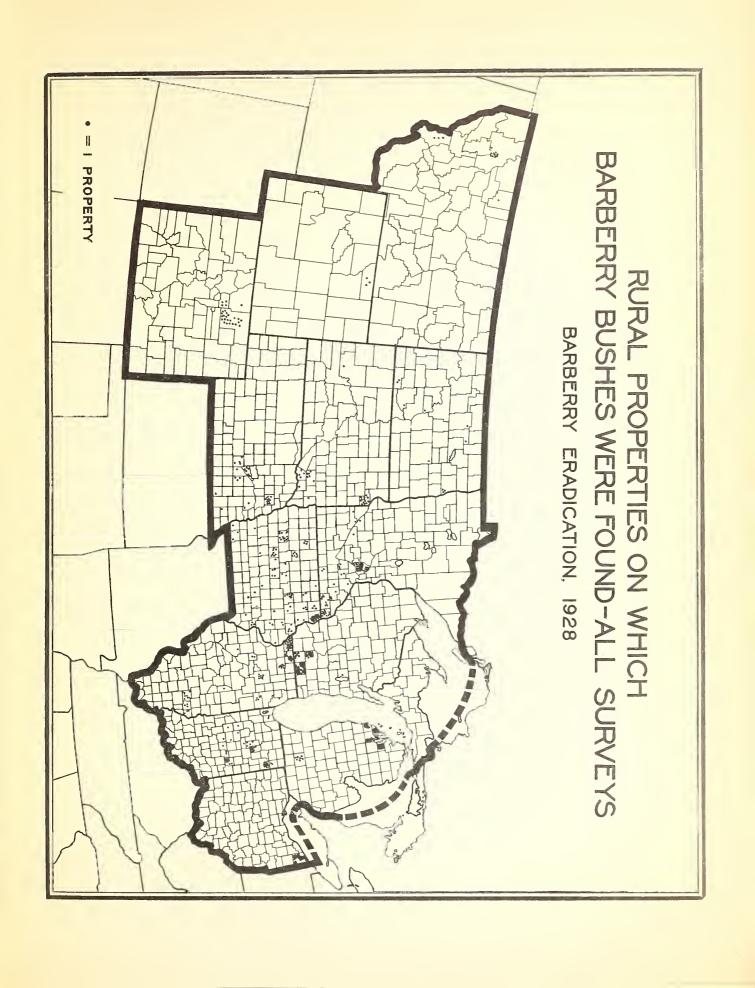








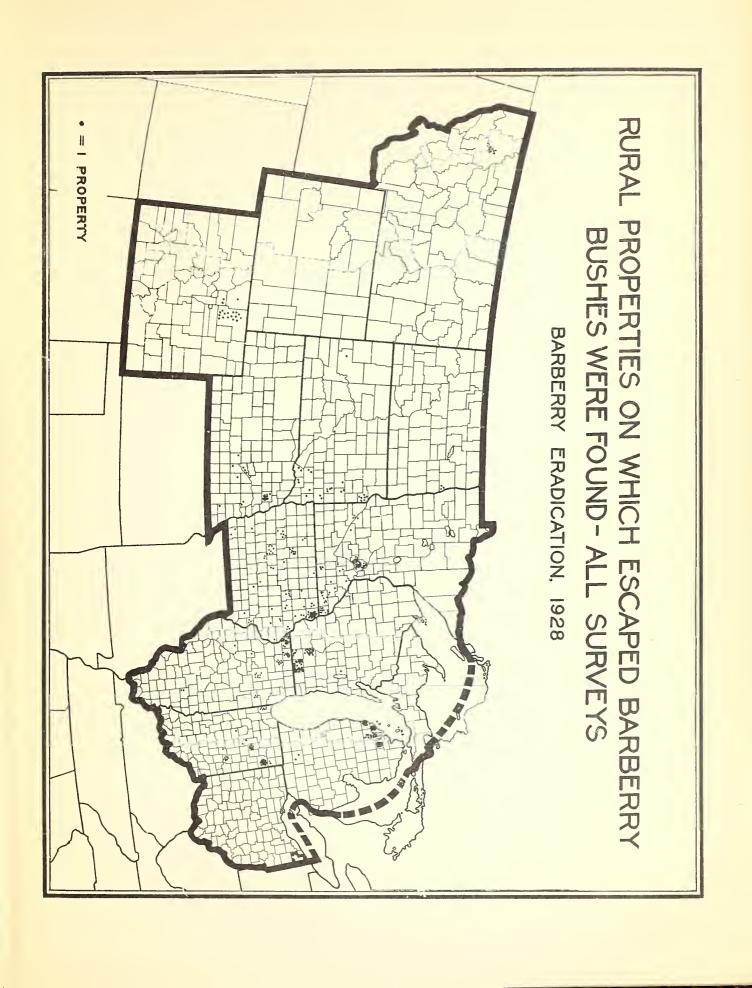




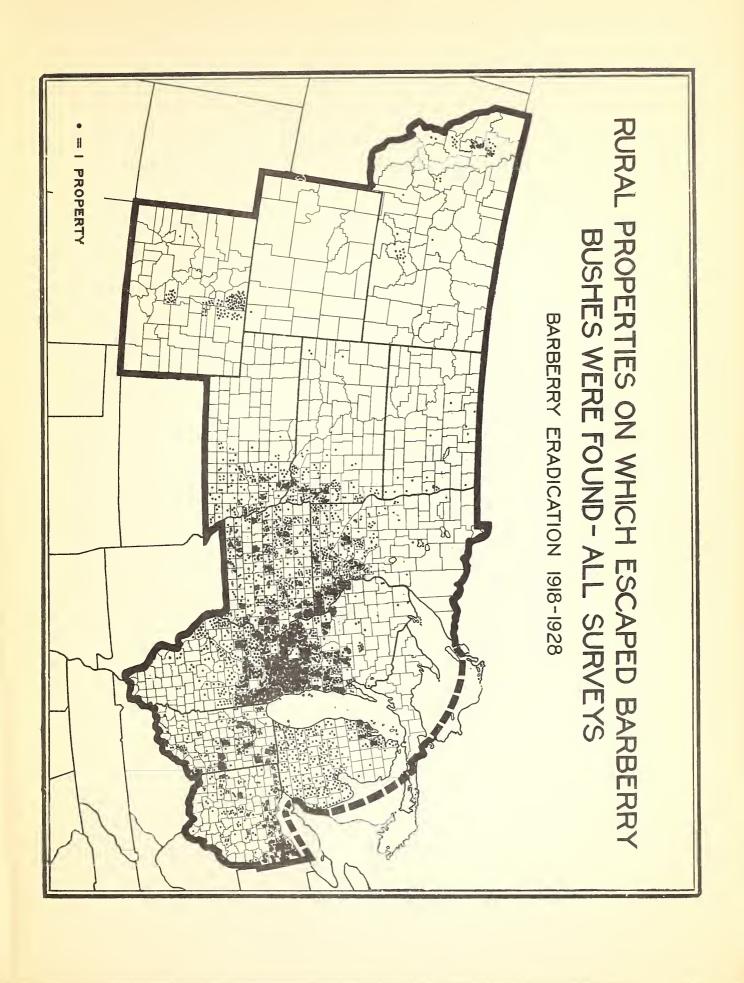


# BARBERRY BUSHES WERE FOUND-ALL SURVEYS = I PROPERTY BARBERRY ERADICATION 1918-1928

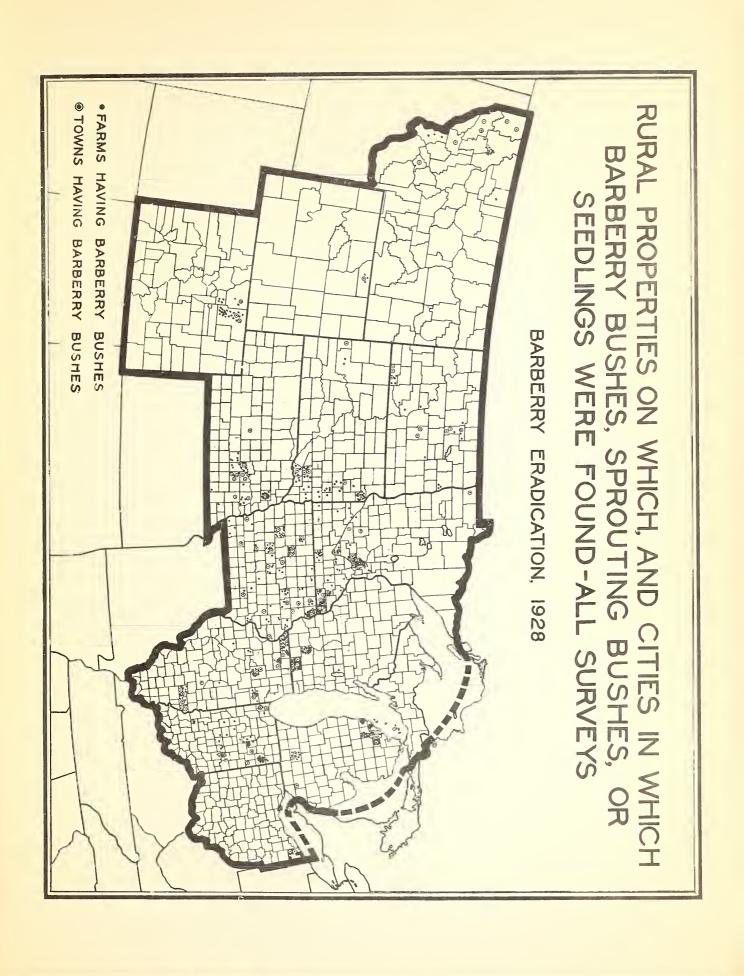


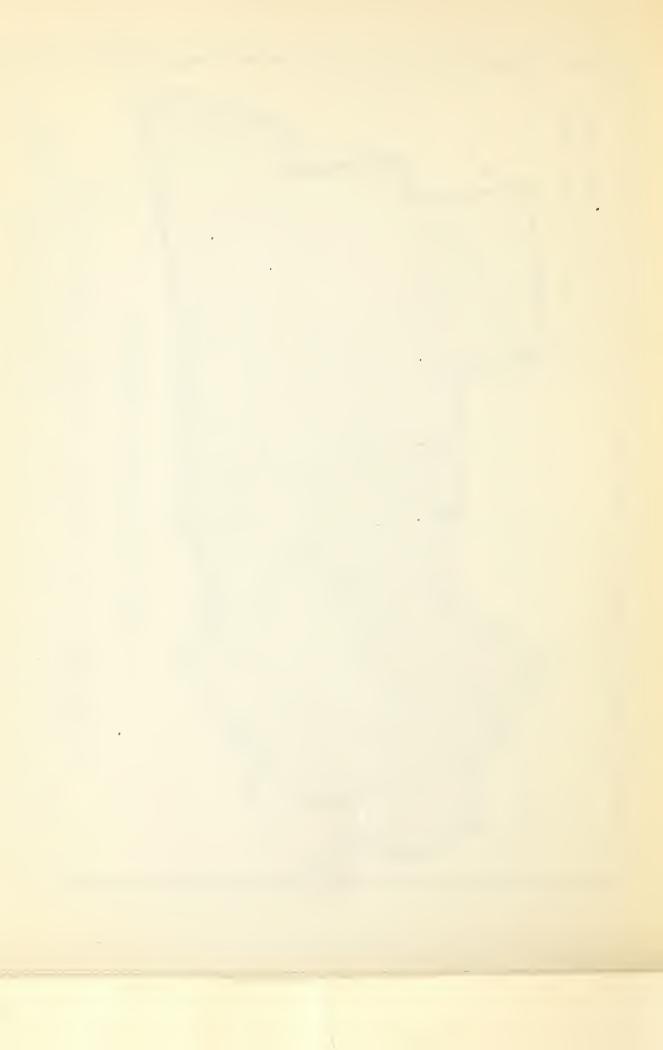


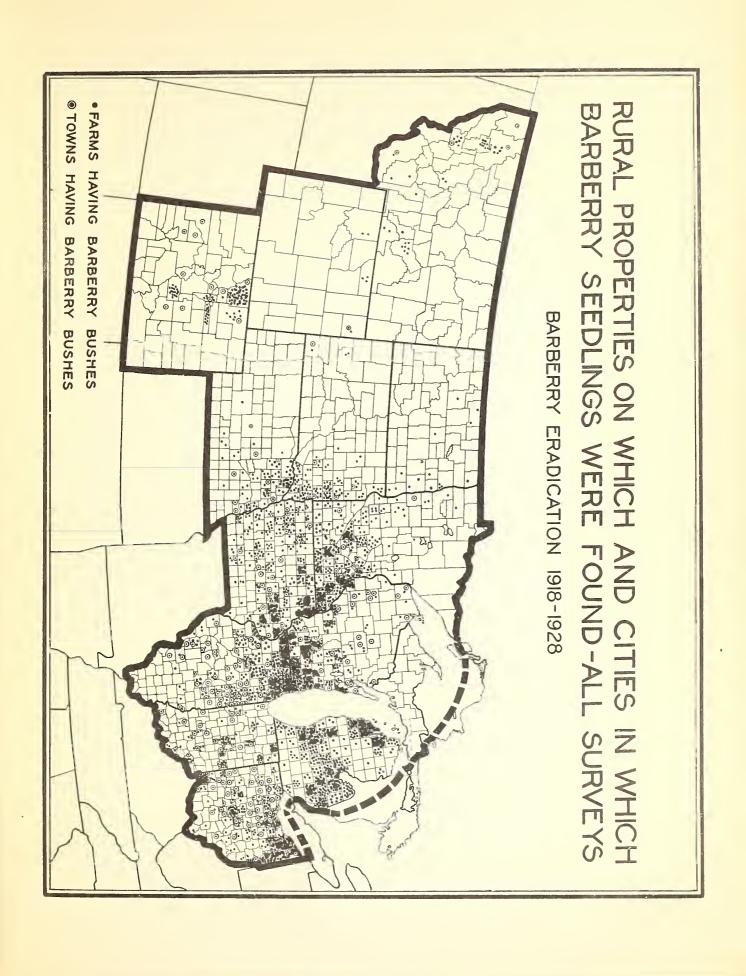










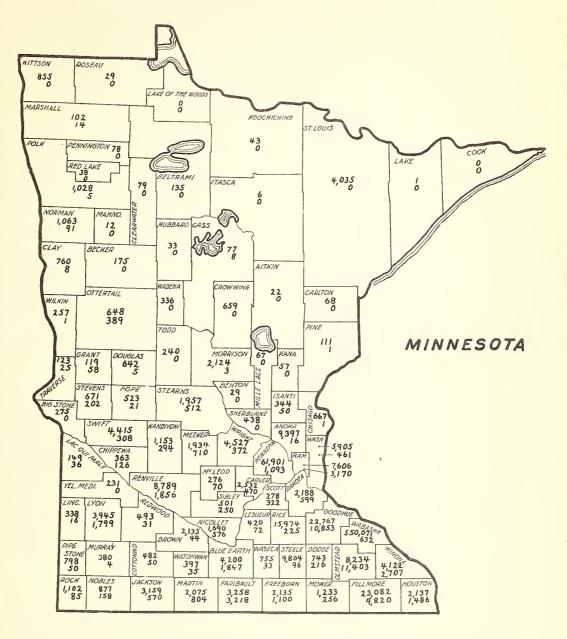




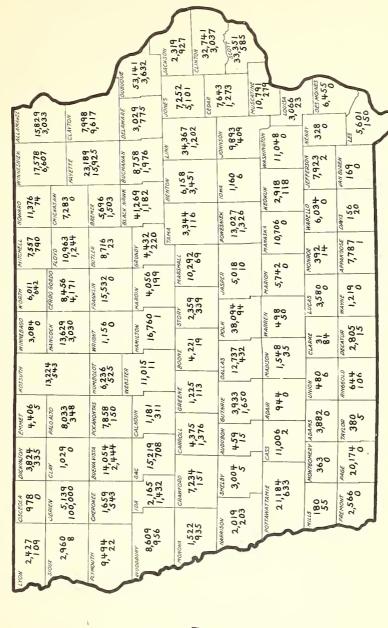


UPPER FIGURE=BUSHES DESTROYED.......386,608
LOWER FIGURE=SEEDLINGS DESTROYED......2,175,860
SPROUTING BUSHES (NOT SHOWN)......22,623
GRAND TOTAL.....2585,091









UPPER FIGURE = BUSHES DESTROYED 813,355 LOWER FIGURE = SEEDLINGS DESTROYED... SPROUTING BUSHES (NOT SHOWN)

....187,536

GRAND TOTAL

10WA

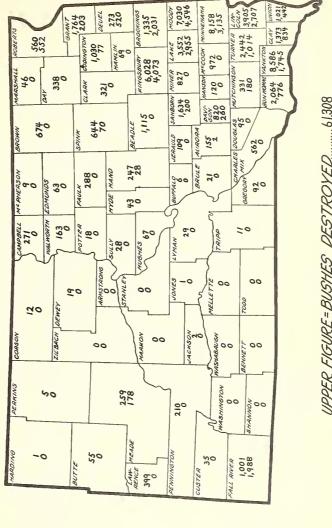


### OHIO



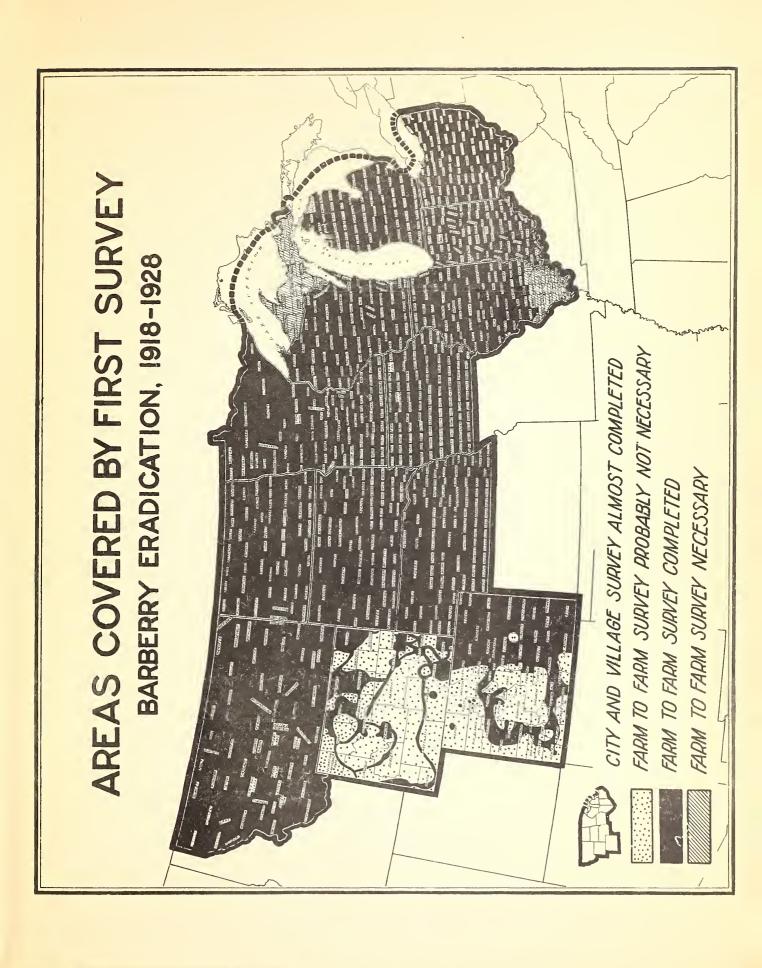


### SOUTH DANOTA



UPPER FIGURE = BUSHES DESTROYED 61308
LOWER FIGURE = SEEDLINGS DESTROYED 28516
SPROUTING BUSHES (NOT SHOWN) 43150
GRAND TOTAL 132974







### WISCONSIN

